

## AR50915PU-N

## Human RARRES2 (21-157, His-tag) - Purified

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternate names:</b>  | Chemerin, RAR-responsive protein TIG2, Retinoic acid receptor responder protein 2, TIG2, Tazarotene-induced gene 2 protein                                                                                                                                                                                                                                                                                         |
| <b>Quantity:</b>         | 0.5 mg                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration:</b>    | 1 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Background:</b>       | RARRES2, also known as chemerin, is a secreted chemotactic protein that initiates chemotaxis via the ChemR23 G protein-coupled seven-transmembrane domain ligand. Expression of this gene is upregulated by the synthetic retinoid tazarotene and occurs in a wide variety of tissues. The active protein has several roles, including that as an adipokine, and is truncated on both termini from the proprotein. |
| <b>Uniprot ID:</b>       | <a href="#">Q99969</a>                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>NCBI:</b>             | <a href="#">NP_002880</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GeneID:</b>           | <a href="#">5919</a>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source:</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Format:</b>           | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >85% by SDS - PAGE<br><b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol                                                                                                                                                                                                                                              |
| <b>Description:</b>      | Recombinant human RARRES2 protein, fused to His-tag at N-terminus, was expressed in E.coli.<br><b>AA Sequence:</b><br>MGSSHHHHH SGLVPRGSH MELTEAQRRL LQVALEEFHK HPPVQWAFQE TSVESAVDTP<br>FPAGIFVRLE FKLQQTSCRK RDWKKPECKV RPNGRKRKCL ACIKLGSEDK VLGRVLHCPI<br>ETQVLREAEE HQETQCLRVQ RAGEDPHSFY FPGQFAFS<br><b>Molecular weight:</b> 18 kDa (158aa)                                                                 |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.                                                                                                                                                                                                                                                      |
| <b>General Readings:</b> | Lin X, Tang X, Jiang Q., et al. (2012). Clin Lab. 2012;58(5-6):539-44.                                                                                                                                                                                                                                                                                                                                             |

Pictures:

