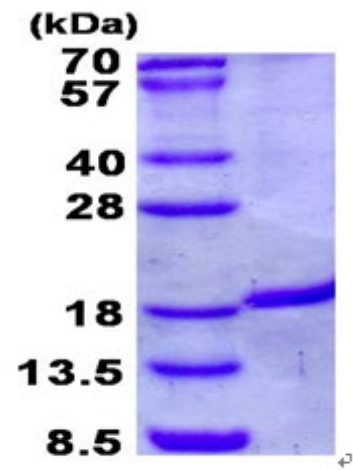


**AR50657PU-S****Human IRGM (23-181, His-tag) - Purified**

|                          |   |
|--------------------------|---|
| <b>Alternate names:</b>  | IFI1, IRGM1, Immunity-related GTPase family M protein, LRG-47, LRG47, MGC149263, MGC149264  |
| <b>Quantity:</b>         | 0.1 mg  |
| <b>Concentration:</b>    | 1 mg/ml (determined by Bradford assay)  |
| <b>Background:</b>       | Immunity-related GTPase family M protein, also known as IRGM, is required for clearance of acute protozoan and bacterial infections. This protein functions in innate immune response probably through regulation of autophagy. It may regulate proinflammatory cytokine production and prevent endotoxemia upon infection and may also play a role in macrophages adhesion and motility. |
| <b>Uniprot ID:</b>       | <a href="#">F8VPC9</a>  |
| <b>NCBI:</b>             | <a href="#">NP_001139277</a>  |
| <b>GeneID:</b>           | <a href="#">84667</a>   |
| <b>Species:</b>          | Human   |
| <b>Source:</b>           | E. coli   |
| <b>Format:</b>           | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >90% by SDS - PAGE<br><b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 2M urea, 10% glycerol   |
| <b>Description:</b>      | Recombinant human IRGM protein, fused to His-tag at N-terminus, was expressed in E.coli.<br><b>AA Sequence:</b><br>MGSSHHHHHH SSGLVPRGSH MKETLKIVSR TPVNITMAGD SGNGMSTFIS ALRNTGHEGK<br>ASPPTELVKA TQRCASYFSS HFSNVVLWDL PGTGSATTTL ENYLMEMQFN RYDFIMVASA<br>QFSMNHVMLA KTAEDMGKKF YIVWTKLDMD LSTGALPEVQ LLQIRENVLE NLQKERVCEY<br><b>Molecular weight:</b> 20.1 kDa (180aa)               |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.   |
| <b>General Readings:</b> | Singh S.B., et al. (2006) Science. 313:1438-1441<br>Parkes M., et al. (2007) Nat. Genet. 39:830-832   |

Pictures:



15% SDS-PAGE (3ug)