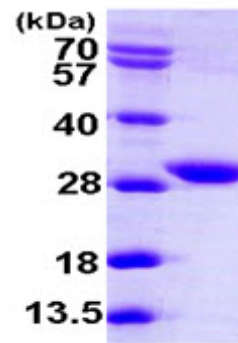


**AR09888PU-L****Human KDS reductase (26-270, His-tag) - Purified**

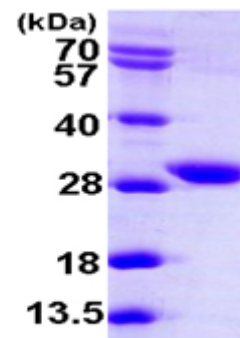
|                          |   |
|--------------------------|---|
| <b>Alternate names:</b>  | 3-dehydrosphinganine reductase, 3-ketodihydrosphingosine reductase, FVT1, Follicular variant translocation protein 1, KDSR  |
| <b>Quantity:</b>         | 0.5 mg  |
| <b>Concentration:</b>    | 0.5 mg/ml (determined by Bradford assay)  |
| <b>Background:</b>       | KDS reductase (KDSR) is a 332 amino acid multi-pass membrane protein that localizes to the endoplasmic reticulum (ER) and belongs to the short-chain dehydrogenases/reductases (SDR) family. KDSR is a secreted protein which is weakly expressed in hematopoietic tissue. Also this protein catalyzes the reduction of 3-ketodihydrosphingosine (KDS) to dihydrosphingosine (DHS).   |
| <b>Uniprot ID:</b>       | <a href="#">Q06136</a>  |
| <b>NCBI:</b>             | <a href="#">NP_002026</a>   |
| <b>GeneID:</b>           | <a href="#">2531</a>  |
| <b>Species:</b>          | Human   |
| <b>Source:</b>           | E. coli   |
| <b>Format:</b>           | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >90%<br><b>Buffer System:</b> 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl, 0.1mM PMSF   |
| <b>Description:</b>      | Recombinant human KDSR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.<br><b>AA Sequence:</b><br><u>MGSSHHHHHH</u> SSGLVPRGSH MKPLALPGAH VVVTGGSSGI GKCIAIECYK QGAFITLVAR<br>NEDKLLQAKK EIEMHSINDK QVVLCSVDV SQDYNQVENV IKQAQEKLG PVDMLVNCAGM<br>AVSGKFEDLE VSTFERLMSI NYLGSVYPSR AVITTMKERR VGRIVFVSSQ AGQLGLFGFT<br>AYSASKFAIR GLAELQMEV KPYNVYITVA YPPDTPDTPGF AEENRTKPLE TRLISETTSV<br>CKPEQVAKQI VKDAIQGNFN SSLGSD<br><b>Molecular weight:</b> kDa (266aa) confirmed by MALDI-TOF |
| <b>Storage:</b>          | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |
| <b>General Readings:</b> | Kihara A., et al. (2004) J. Biol. Chem. 279:49243-49250.<br>Parkinson, N.J., et al. (2008) Neuromuscul. Disord. 18: 394-397.  |

Pictures:



15% SDS-PAGE (3ug)

Recombinant human KDSR, 26-270 aa,  
His-tagged



15% SDS-PAGE (3ug)