

Product datasheet for **AR09888PU-L**

KDS reductase (26-270, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	KDS reductase (26-270, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MKPLALPGAH</u> VWTGGSSGI GKCIAIECYK QGAFITLVAR NEDKLLQAKK EIMHSINDK QVVLCSVDV SQDYNQVENV IKQAQEKLGPDV DMLVNCAGM AVSGKFEDLE VSTFERLMSI NYLGSVYPSR AVITTMKERR VGRIVFVSSQ AGQLGLFGFT AYSASKFAIR GLAEALQMEV KPYNVYITVA YPPDTPDTPGF AEENRTKPLE TRLISETTSV CKPEQVAKQI VKDAIQGNFN SSLGSD
Tag:	His-tag
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1M NaCl, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human KDSR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_002026</u>
Locus ID:	2531
UniProt ID:	<u>Q06136</u> , <u>A0A024R292</u> , <u>B4DMX0</u>
Cytogenetics:	18q21.33
Synonyms:	DHSR; EKVP4; FVT1; SDR35C1



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Summary:

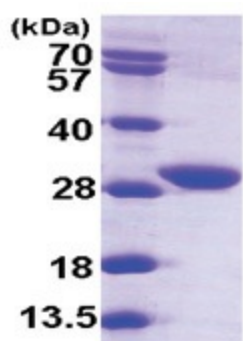
The protein encoded by this gene catalyzes the reduction of 3-ketodihydrosphingosine to dihydrosphingosine. The putative active site residues of the encoded protein are found on the cytosolic side of the endoplasmic reticulum membrane. A chromosomal rearrangement involving this gene is a cause of follicular lymphoma, also known as type II chronic lymphatic leukemia. The mutation of a conserved residue in the bovine ortholog causes spinal muscular atrophy. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Metabolic pathways, Sphingolipid metabolism

Product images:

15% SDS-PAGE (3ug)