

Product datasheet for PH301153

FVT1 (KDSR) (NM_002035) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KDSR MS Standard C13 and N15-labeled recombinant protein (NP_002026)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201153
Predicted MW:	36.2 kDa
Protein Sequence:	>RC201153 protein sequence Red =Cloning site Green =Tags(s) MLLLAAAFVAFVLLLYMVSPLISPKPLALPGAHVVTGGSSGIGKCIAIECYKQGAFITLVARNEDKLL QAKKEIEMHSINDKQVVLCSVDVSDYNQVENVIKQAQEKLGPDMLVNCAGMAVSGKFEDLEVSTFER LMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQAGQLGFGFTAYSASKFAIRGLAEALQMEVKPYNVY ITVAYPPDTPGFAEENRTKPLETRLISETTSVCKPEQVAKQIVKDAIQGNFNSSLGSDGYMLSALTCG MAPVTSITEGLQQVVTMGLFRTIALFYLGSDSIVRRCMMQREKSENADKTA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002026</u>
RefSeq Size:	5198
RefSeq ORF:	996
Synonyms:	DHSR; EKVP4; FVT1; SDR35C1
Locus ID:	2531



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UniProt ID: [Q06136](#), [A0A024R292](#), [B4DMX0](#)

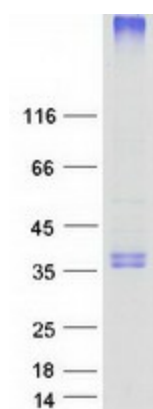
Cytogenetics: 18q21.33

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:



Coomassie blue staining of purified KDSR protein (Cat# [TP301153]). The protein was produced from HEK293T cells transfected with KDSR cDNA clone (Cat# [RC201153]) using MegaTran 2.0 (Cat# [TT210002]).