Recombinant Human KDSR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KDSR-1510H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KDSR MS Standard C13 and N15-labeled recombinant protein (NP_002026) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	36.2 kDa
AA Sequence	MLLLAAAFLVAFVLLLYMVSPLISPKPLALPGAHVVVTGGSSGIGKCIAIECYKQGAFIT LVARNEDKLLQAKKEIEMHSINDKQVVLCISVDVSQDYNQVENVIKQAQEKLGPVDM LVNCAGMAVSGKFEDLEVSTFERLMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQ AGQLGLFGFTAYSASKFAIRGLAEALQMEVKPYNVYITVAYPPDTDTPGFAEENRTK PLETRLISETTSVCKPEQVAKQIVKDAIQGNFNSSLGSDGYMLSALTCGMAPVTSITE GLQQVVTMGLFRTIALFYLGSFDSIVRRCMMQREKSENADKTATRTRPLEQKLISEE DLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	KDSR 3-ketodihydrosphingosine reductase [Homo sapiens (human)]
Official Symbol	KDSR
Synonyms	KDSR; 3-ketodihydrosphingosine reductase; follicular lymphoma variant translocation 1, FVT1; 3 dehydrosphinganine reductase; DHSR; SDR35C1; short chain dehydrogenase/reductase family 35C; member 1; FVT-1; KDS reductase; 3-dehydrosphinganine reductase; follicular variant translocation protein 1; follicular lymphoma variant translocation 1; short chain dehydrogenase/reductase family 35C, member 1; FVT1; FLJ36555; FLJ92680;
Gene ID	2531
mRNA Refseq	NM_002035
Protein Refseq	NP_002026
MIM	136440

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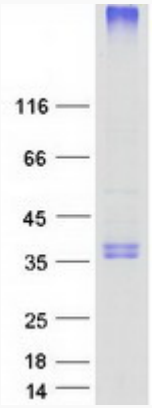
UniProt ID	Q06136
SDS-PAGE	

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