

Recombinant Full Length Human KDSR Protein, C-Flag-tagged

Cat. No. KDSR-1045HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human KDSR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.4 kDa
AA Sequence	MLLLAAAFVAFVLLLYMVSPKPLALPGAHVVTGGSSGIGKICIAIECYKQGAFIT LVARNEDKLL QAKKEIEMHSINDKQVVLCSVDVSQDYNQVENVIKQAQEKLGPDVDM LVNCAGMAVSGKFEDLEVSTFER LMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQ AGQLGLFGFTAYSASKFAIRGLAEALQMEVKPYNVY ITVAYPPDTPGFAEENRTK PLETRLISETTSVCKPEQVAKQIVKDAIQGNFNSSLGSDGYMLSALTG MAPVTSITEGLQQVVTMGLFRTIALFYLGSDSIVRRRCMMQREKSENADKTATRTRP LEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Metabolic pathways, Sphingolipid metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	KDSR 3-ketodihydrosphingosine reductase [Homo sapiens (human)]
Official Symbol	KDSR
Synonyms	DHSR; FVT1; EKVP4; SDR35C1
Gene ID	2531
mRNA Refseq	NM_002035.4
Protein Refseq	NP_002026.1

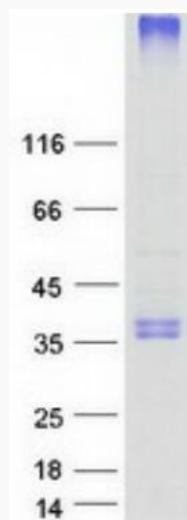
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MIM 136440

UniProt ID Q06136



Coomassie blue staining of purified KDSR protein.

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