

Recombinant Full Length Human KDSR Protein, GST-tagged

Cat. No. KDSR-5239HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FVT1 full-length ORF (AAH08797.1, 12 a.a. - 332 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	12-332 amino acids
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. [provided by RefSeq]
Molecular Mass	61.05 kDa
AA Sequence	FVLLLYMVSPLISPKPLALPGAHVVTGGSSGIGKCIAIECYKQGAFITLVARNEDKLL QAKKEIEMHSINDKQVVLCSVDVSQDYNQVENVIKQAQEKLGPDMLVNCAGMAV SGKFEDLEVSTFERLMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGF TAYSASKFAIRGLAEALQMEVKPYNVYITVAYPPDTPGFAEENRTKPLETRLISET TSVCKPEQVAKQIVKDAIQGNFNSSLGSDGYMLSALTTCGMAPVTSITEGLQQVVTM GLFRTIALFYLGSFDSIVRRRCMMQREKSENADKTA

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	KDSR 3-ketodihydrosphingosine reductase [Homo sapiens]
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

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