

Recombinant Human KDSR Protein, GST-tagged

Cat. No. KDSR-4572H **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	Wheat Germ
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 GLFRTIALFYLGSFDSIVRRCMMQREKSENADKTA
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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

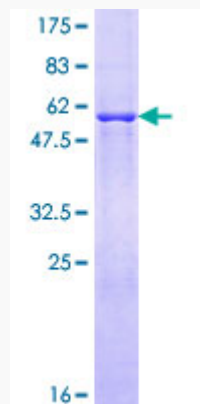
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UniProt ID

Q06136

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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