

# Recombinant Full Length Human KDSR Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human FVT1 full-length ORF ( AAH08797.1, 12 a.a. - 332 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	12-332 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	61.05 kDa
<b>AA Sequence</b>	FVLLLYMVSPKPLALPGAHVVTGGSSGIGKICIAIECYKQGAFITLVARNEDKLL QAKKEIEMHSINDKQVVLCSVDVSDYDYNQVENVIKQAQEKLGPDMLVNCAGMAV SGKFEDLEVSTFERLMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGF TAYSASKFAIRGLAEALQMEVKPYNVYITVAYPPDTPGFAEENRTKPLETRLISET TSVCKPEQVAKQIVKDAIQGNFNSSLGSDGYMLSALTTCGMAPVTSITEGLQQVVTM GLFRTIALFYLGSFDSIVRRCMMQREKSENADKTA

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KDSR 3-ketodihydroshingosine reductase [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">KDSR</a>
<b>Synonyms</b>	KDSR; 3-ketodihydroshingosine reductase; follicular lymphoma variant translocation 1, FVT1; 3 dehydroshinganine reductase; DHSR; SDR35C1; short chain dehydrogenase/reductase family 35C; member 1; FVT-1; KDS reductase; 3-dehydroshinganine reductase; follicular variant translocation protein 1; follicular lymphoma variant translocation 1; short chain dehydrogenase/reductase family 35C, member 1; FVT1; FLJ36555; FLJ92680;
<b>Gene ID</b>	<a href="#">2531</a>
<b>mRNA Refseq</b>	<a href="#">NM_002035</a>
<b>Protein Refseq</b>	<a href="#">NP_002026</a>
<b>MIM</b>	<a href="#">136440</a>

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