

## Recombinant Human KDSR Protein, GST-tagged

**Cat. No.** KDSR-4572H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <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>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>      | FVLLLYMVSPLISPKPLALPGAHVVTGGSSGIGKCIAIECYKQGAFITLVARNEDKLL<br>QAKKEIEMHSINDKQVVLCSVDVSQDYNQVENVIKQAQEKLGPDMLVNCAGMAV<br>SGKFEDLEVSTFERLMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGF<br>TAYSASKFAIRGLAEALQMEVKPYNVYITVAYPPDTPGFAEENRTKPLETRLISET<br>TSVCKPEQVAKQIVKDAIQGNFNSSLGSDGYMLSALTTCGMAPVTSITEGLQQVVTM<br>GLFRTIALFYLGSFDSIVRRCMMQREKSENADKTA                                                                                                                                                |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Western Blot (Recombinant protein)<br>Antibody Production<br>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.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | KDSR 3-ketodihydrosphingosine reductase [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>  | KDSR                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 2531                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_002035                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_002026                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>              | 136440                                                                                                                                                                                                                                                                                                                                                                                                                                   |

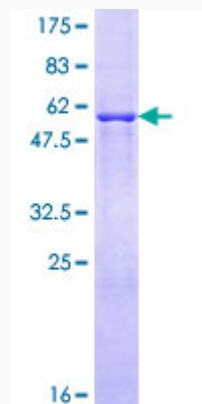
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**UniProt ID**

Q06136

**Quality Control  
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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