

Recombinant Human KDSR protein, His & GST-tagged

Cat. No. KDSR-1662H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KDSR aa. (Lys26~Asp270 (Accession # Q06136)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys26~Asp270
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	6.2

GENE INFORMATION

Gene Name	KDSR 3-ketodihydrosphingosine reductase [Homo sapiens (human)]
Official Symbol	KDSR
Synonyms	KDSR; 3-ketodihydrosphingosine reductase; DHSR; FVT1; EKVP4; SDR35C1; 3-ketodihydrosphingosine reductase; 3-dehydrosphinganine reductase; FVT-1; KDS reductase; follicular lymphoma variant translocation 1; follicular variant translocation protein 1; short chain dehydrogenase/reductase family 35C member 1
Gene ID	2531
mRNA Refseq	NM_002035.2
Protein Refseq	NP_002026.1

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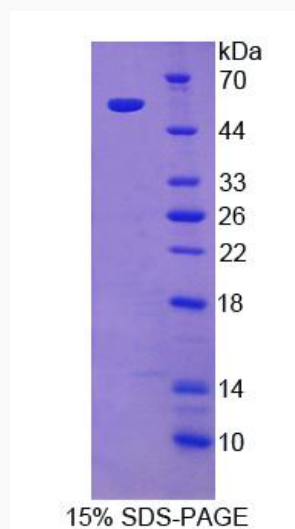
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UniProt ID

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SDS-PAGE

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