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32-2478: KDSR Recombinant Protein

Alternative Name :	3-ketodihydrosphingosine reductase,KDS reductase,3-dehydrosphinganine reductase,Follicular variant translocation protein 1,FVT-1,KDSR,FVT1,DHSR,SDR35C1,FLJ36555,FLJ92680.

Description

Source : Escherichia Coli. KDSR Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 266 amino acids (26-270 a.a.) and having a molecular mass of 29kDa. The KDSR is purified by proprietary chromatographic techniques. 3-ketodihydrosphingosine reductase (KDSR) is a 332 amino acid multi-pass membrane protein which localizes to the ER and is a member of the short-chain dehydrogenases/reductases (SDR) family. KDSR is a secreted protein that is weakly expressed in hematopoietic tissue. Furthermore, KDSR catalyzes the reduction of 3-ketodihydrosphingosine (KDS) to dihydrosphingosine (DHS). The putative active site residues of KDSR are found on the cytosolic side of the endoplasmic reticulum membrane. Chromosomal rearrangement in the KDSR gene is a cause of follicular lymphoma, aka type II chronic lymphatic leukemia.

Product Info

Amount :	20 µg
Purification :	KDSR was found to be greater than 90.0% as determined by SDS-PAGE.
Content :	The KDSR solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol, 0.1M NaCl and 0.1mM PMSF.
Storage condition :	KDSR should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MKPLALPGAH VVVTGGSSGI GKCIAIECYK QGAFITLVAR NEDKLLQAKK EIEMHSINDK QVVLCISVDV SQDYNQVENV IKQAQEKLGP VDMLVNCAGM AVSGKFEDLE VSTFERLMSI NYLGSVYPSR AVITTMKERR VGRIVFVSSQ AGQLGLFGFT AYSASKFAIR GLAEALQMEV KPYNVYITVA YPPDTDTPGF AEENRTKPLE TRLISETTSV CKPEQVAKQI VKDAIQGNFN SSLGSD.