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DATA SHEET

3-Ketodihydrosphingosine Reductase Human Recombinant

Item Number	rAP-1757
Synonyms	3-ketodihydrosphingosine reductase, KDS reductase, 3-dehydrosphinganine reductase, Follicular variant translocation protein 1, FVT-1, KDSR, FVT1, DHSR, SDR35C1, FLJ36555, FLJ92680.
Description	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.
Uniprot Accesion Number	Q06136
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MKPLALPGAH VVVTGGSSGI GKCIAIECYK QGAFITLVAR NEDKLLQAKK EIEMHSINDK QVVLCISVDV SQDYNQVENV IKQAQEKLGP VDMLVNCAGM AVSGK-FEDLE VSTFERLMSI NYLGSVYPSR AVITTMKERR VGRIVFVSSQ AGQLGLFGFT AYSASKFAIR GLAE-ALQMEV KPYNVYITVA YPPDTDTPGF AEENRTKPLE TRLISETTSV CKPEQVAKQI VKDAIQGNFN SSLGSD.
Source	Escherichia Coli.
Physical Appearance and Stability	The KDSR is supplied as a sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	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. KDSR purity was found to be greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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