

KDSR, 26-270aa, Human, His tag, E.coli

Cat.NO.: TP02722

3th Edition

Synonyms:3-ketodihydrosphingosine reductase, DHSR, FVT1

Description:KDSR, also known as 3-ketodihydrosphingosine reductase, is a 332 amino acid multi-pass membrane protein that localizes to the endoplasmic reticulum (ER) and belongs to the short-chain dehydrogenases/reductases (SDR) family. KDSR is a secreted protein which is weakly expressed in hematopoietic tissue. Also this protein catalyzes the reduction of 3-ketodihydrosphingosine (KDS) to dihydrosphingosine (DHS).

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol, 0.1M NaCl, 0.1mM PMSF

Molecular Weight:29.0 kDa (266aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMKPLALPGAHVVTGGSSGIGKCIAIECYKQGAFITLVARNEDKLLQAKKEIEMHSI
NDKQVVLCSISVDVSQDYNQVENVIKQAQEKLGPDMLVNCAGMAVSGKFEDLEVSTFERLMSINYLGSVYPSRAVI
TTMKERRVGRIVFVSSQAGQLGLFGFTAYSASKFAIRGLAEALQMEVKPYNVYITVAYPPDTPGFAEENRTKPLE
TRLISETTSVCKPEQVAKQIVKDAIQGNFNSSLGSD

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.