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Product Information

MemDX™ Membrane Protein Human KDSR (3-ketodihydrosphingosine reductase) Full Length

Cat. No.: **MPC4460K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human KDSR membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
KDSR

Protein Length
Full length

Protein Class
Oxidoreductase

TMD
2

Sequence
MLLLAAAFLVAFVLLLYMVSPLISPKPLALPGAHVVVTGGSSGIGKCIAI
ECYKQGAFITLVARNEDKLLQAKKEIEMHSINDKQVVLCISVDVSQDYNQ
VENVIKQAQEKLGPVDMLVNCAGMAVSGKFEDLEVSTFERLMSINYLGSV
YPSRAVITTMKERRVGRIVFVSSQAGQLGLFGFTAYSASKFAIRGLAEAL
QMEVKPYNVYITVAYPPDTDTPGFAEENRTKPLETRLISETTSVCKPEQV
AKQIVKDAIQGNFNSSLGSDGYMLSALTCGMAPVTSITEGLQQVVTMGLF
RTIALFYLGSFDSIVRRCMMQREKSENADKTA

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

KDSR

Full Name

3-ketodihydrosphingosine reductase

Introduction

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.

Alternative Names

KDSR; DHSR; FVT1; EKVP4; SDR35C1; 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; 3-ketodihydrosphingosine reductase

Gene ID

2531

UniProt ID

Q06136

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