

Product Information

MemDX™ Membrane Protein Human RETSAT (Retinol saturase)

Cat. No.: **MP0248J**

This product is for research use only and is not intended for diagnostic use.

This product is a 66.6 kDa Human RETSAT membrane protein expressed in HEK293T. 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

RETSAT

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

66.6 kDa

Sequence

MWLPVLVLLAVLLAVLCKVYLGLFSGSSPNPFSSEVVKRPPAPLVTDKEARKKVLKQAFSANQVPEKLDV
VVGSGFGGLAAAILAKAGKRVLVLEQHTKAGGCCHTFGKNGLEFDTGIHYIGRMEEGSIGRFILDQIT
EGQLDWAPLSSPFDIMVLEGPNGRKEYPMYSGEKAYIQGLKEKFPQEEAIDKYIKLVKVVSSGAPHAIL
LKFLPLPVVQLLDRCGLLTRFSPFLQASTQSLAEVLQQLGASSELQAVLSYIFPTYGVTNHSAFSMHAL
LVNHYMKGGFYPRGGSSEIAFHTIPVIQRAGGAVLTKATVQSVLLDSAGKACGVSVKKGHELVNIYCPIV
VSNAGLFNTYEHLLPGNARCLPGVKQQLGTVRPLGMTSVFICLRGKEDLHLPSTNYYVYYDTMDQMAM
ERYVSMPREEAAEHIPLLFFAFPSAKDPTWEDRFPGRSTMIMLIPTAYEWFEEWQAEKKGKRGSDYETFK
NSFVEASMSVVLKLFQLEGKVESVTAGSPLTNQFYLAAPRGACYGADHDLGRLHPCVMASLRAQSPIPN
LYLTGQDIFTCGLVGALQGALLCSSAILKRNLYSCLKNLDNRIRAKKKKN

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

RETSAT

Full Name

Retinol saturase

Introduction

Catalyzes the saturation of all-trans-retinol to all-trans-13,14-dihydroretinol. Does not exhibit any activity toward all-trans-retinoic acid, nor 9-cis, 11-cis or 13-cis-retinol isomers. May play a role in the metabolism of vitamin A. Independently of retinol conversion, may regulate liver metabolism upstream of MLXIPL/ChREBP. May play a role in adipocyte differentiation.

Alternative Names

FLJ20296; PPAR-alpha-regulated and starvation-induced gene protein; all-trans-13,14-dihydroretinol saturase

Gene ID

[54884](#)

UniProt ID

[Q6NUM9](#)