

Product datasheet for PH309800

Retinol Saturase (RETSAT) (NM_017750) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RETSAT MS Standard C13 and N15-labeled recombinant protein (NP_060220)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209800
Predicted MW:	67.3 kDa
Protein Sequence:	>RC209800 representing NM_017750 Red=Cloning site Green=Tags(s)

MWLPLVLLLAVALLLAVLCKVYLGLFSGSSPNPFSQVVKRPPAPLVTDKEARKKVLKQAFSANQVPEKLDV
VVIQSGFGGLAAAAILAKAGKRVLVLEQHTKAGGCCHTFGKNGLEFDTGIHYIGRMEEGSGRIFILDQIT
EGQLDWAPLSSPFDIMVLEGPNGRKEYPMYSGEKAYIQGLKEKFPQEEAIIIDKYIKLVKVSSGAPHAIL
LKFLPLPVVQLLDRCGLLTRFSPFLQASTQSLAEVLQQLGASSELQAVLSYIFPTYGVTPNHSAFSMHAL
LVNHMKGGFYPRGGSSEIAFHITPVIQRAGGAVLTKATVQSVLLDSAGKACGVSVKKGHELVNIYCPV
VSNAGLFNTYEHLLPGNARCLPGVKQQLGTVRPLGMTSVFICLRGTKEDLHLPSTNYYVYDMDQAM
ERYVSMPREEAAEHIPLFFAFPSAKDPTWEDRFPGRSTMIMLIPTAYEWFEEWQAEKGGKRGSDYETFK
NSFVEASMSVVLKLPQLEGVESVTAGSPLTNQFYLAAPRGACYGADHDLGRLHPCVMASLRAQSPIPN
LYLTGQDIFTCGLVQALQGALLCSSAILKRNLYSDLKNLDSRIRAQKKKN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

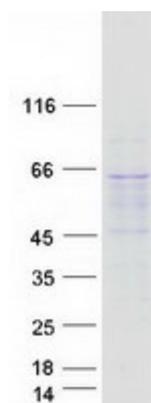
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060220</u>
RefSeq Size:	3328
RefSeq ORF:	1830



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Locus ID:	54884
UniProt ID:	Q6NUM9
Cytogenetics:	2p11.2
Summary:	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. [UniProtKB/Swiss-Prot Function]
Protein Families:	Transmembrane
Protein Pathways:	Retinol metabolism

Product images:



Coomassie blue staining of purified RETSAT protein (Cat# [TP309800]). The protein was produced from HEK293T cells transfected with RETSAT cDNA clone (Cat# [RC209800]) using MegaTran 2.0 (Cat# [TT210002]).