

Recombinant Human RETSAT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RETSAT-5015H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RETSAT MS Standard C13 and N15-labeled recombinant protein (NP_060220) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	RETSAT (Retinol Saturase) is a Protein Coding gene. Diseases associated with RETSAT include Macular Degeneration, Age-Related, 10. Among its related pathways are Vitamin A and Carotenoid Metabolism and Drug metabolism - cytochrome P450. Gene Ontology (GO) annotations related to this gene include oxidoreductase activity and all-trans-retinol 13,14-reductase activity. An important paralog of this gene is PYROXD2.
Molecular Mass	67.3 kDa
AA Sequence	MWLPLVLLLAVALLLAVLCKVYLGLFSGSSPNPFSEDEVKRPPAPLVTDKEARKKVLKQ AFSANQVPEKLDVVVIGSGFGGLAAAAILAKAGKRVLVLEQHTKAGGCCHTFGKNGL EFDGTGIHYIGRMEEGSIGRFILDQITEGQLDWAPLSSPFDIMVLEGPNGRKEYPMYSG EKAYIQGLKEKFPQEEAIDKYIKLVKVSSGAPHAILLKFLPLPVVQLLDRCGLLTRFS PFLQASTQSLAEVLQQLGASSELQAVLSYIFPTYGVTPNHSAFSMHALLVNHMKGG FYPRGGSSEIAFHTIPVIQRAGGAVLTATVQSVLLDSAGKACGVSVKKGHELVNIYC PIVVSNAGLFNTYEHLLPGNARCLPGVKQQLGTVRPGLGMTSVFICLRGTKEDLHLP

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STNYYVYYDMDQAMERYVSMPEEEAAEHIPLLFFAFPSAKDPTWEDRFPGRST
MIMLIPTAYEWFEWQAEKKGKRGSDYETFKNSFVEASMSVVLKLPQLEGKVESV
TAGSPLTNQFYLAAPRGACYGADHDLGRLHPCVMASLRAQSPIPNLYLTGQDIFTCG
LVGALQGALLCSSAILKRNLYSDLKNLDSRIRAQKKKNTRTRPLEQKLISEEDLAANDI
LDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [RETSAT retinol saturase \[Homo sapiens \(human\) \]](#)

Official Symbol [RETSAT](#)

Synonyms RETSAT; retinol saturase (all-trans-retinol 13,14-reductase); all-trans-retinol 13,14-reductase; FLJ20296; all-trans-13,14-dihydroretinol saturase; PPAR-alpha-regulated and starvation-induced gene protein;

Gene ID [54884](#)

mRNA Refseq [NM_017750](#)

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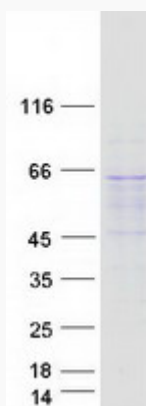
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Protein Refseq NP_060220

MIM 617597

UniProt ID Q6NUM9

SDS-PAGE



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