

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

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

## SPECIFICATION

<b>Product Overview</b>	RETSAT MS Standard C13 and N15-labeled recombinant protein (NP_060220) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	67.3 kDa
<b>AA Sequence</b>	MWLPLVLLAVLLAVLCKVYLGLFSGSSPNPFSSEDKRPPAPLVTDKEARKKVLKQ AFSANQVPEKLDVVVIGSGFGGLAAAAILAKAGKRVLVLEQHTKAGGCCHTFGKNGL EFDTGIIHYIGRMEEGSIGRFILDQITEGQLDWAPLSSPFDIMVLEGPNRKEYPMYSG EKAYIQGLKEKFPQEEAIDKYIKLVKVVSSGAPHAILLKFLPLPVVQLLDRCGLLTRFS PFLQASTQSLAEVLQQLGASSELQAVLSYIFPTYGVTPNHSAFSMHALLVNHYMKGG FYPRGGSSEIAFHTIPVIQRAGGAVLTKATVQSVLLDSAGKACGVSVKKGHELVNIYC PIVVSNAGLFNTYEHLLPGNARCLPGVKQQLGTVRPGLGMTSVFICLRGTKEDLHLP

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STNYYVYYDMDQAMERYVSMPEEEAAEHIPLLFFAFPSAKDPTWEDRFPGRST  
 MIMLIPTAYEWFEEWQAELKGKRGSDYETFKNSFVEASMSVVLKLPQLEGKVESV  
 TAGSPLTNQFYLAAPRGACYGADHDLGRLHPCVMASLRAQSPIPNLYLTGQDIFTCG  
 LVGALQGALLCSSAILKRNLYSDLKLNLSRIRAQKKKNTTRTRPLEQKLISEEDLAANDI  
 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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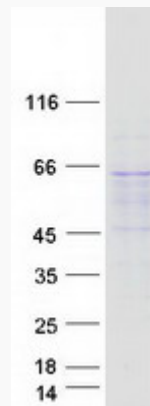
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**Protein Refseq** NP\_060220

**MIM** 617597

**UniProt ID** Q6NUM9

**SDS-PAGE**



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