

## Product datasheet for **SC213824**

### Retinol Saturase (RETSAT) (NM\_017750) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Retinol Saturase (RETSAT) (NM_017750) Human 3' UTR Clone
Symbol:	Retinol Saturase
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_017750
Insert Size:	1317 bp



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**Insert Sequence:** >SC213824 3'UTR clone of NM\_017750  
 The sequence shown below is from the reference sequence of NM\_017750. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGATCCGGGCACAGAAGAAAAAGAATTAGTTCCATCAGGGAGGAGTCAGAGGAATTTGCCAATGGCT
GGGCATCTCCCTTGACTTACCCATAATGTCTTTCTGCATTAGTTCCTTGACGTATAAAGCACTCTAA
TTTGGTCTGATGCCTGAAGAGAGGCTAGTTTAAATCACAATCCGAATCTGGGCAATGGAATCACT
GCTTCCAGCTGGGCAGGTGAGATCTTTACGCCTTTTATAACATGCCATCCCTACTAATAGGATATTGA
CTTGATAGCTTGTCTCATGACGAGCGCGCTCTGCATCCCTACCCATGCCTCCTAACTCAGTGA
TCAAAGCGAATATTCCATCTGTGGATAGAACCCTGGCAGTGTGTGACGTCAACCTGGTGGTTTCAGT
TCTGTCTGAGGCTTCTGCTCTCATTCAATTTAGTGTACGCTGCACAGTTCTACACTGTCAAGGGAAAA
GGGAGACTAATGAGGCTTAACTAAAACCTGGGCGTGGTTTTGGTTGCCATTCCATAGGTTTGGAGAGC
TCTAGATCTCTTTGTGCTGGGTTCAAGTGGCTCTTCAGGGGACAGGAAATGCCTGTGTCTGGCCAGTGT
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ATTCATATGGAAGTCCCGGTCTGTCTTCTTATCATCGGGTGGCAGCTGGTTCTCAATGTGCCAGCA
GGGACTCAGTACCTGAGCCTCAATCAAGCCTTATCCACCAAAATACACAGGGAAGGGTGATGCAGGGAAG
GGTGACATCAGGAGTCAGGGCATGGACTGGTAAGATGAATACTTTGCTGGGCTGAAGCAGGCTGCAGGG
CATTCCAGCCAAGGGCACAGCAGGGGACAGTGCAGGGAGGTGTGGGGTAAGGGAGGGAAGTCACATCAG
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GTTAGACAGGTAGGTGAATGCAAGCTCAAGGTTTGGAAAAATGACTTTTCAGTTATGCTTTGGTATCA
GACATACGAAAGTCTCTTTGTAGTTCGTGTTAATGTAACATTAATAAAATTTATTGATTCCATTGCTTT
AACATTTGAAATTTATTTTGGTTTTTGTCAAGAAAACAAAATATTATTGTGATGGCATTTCAGAA
GCTCAGTAAAACACTATATACTGAATAACACAAAATAAGCTTTAAAAAATAAAATTAAGTAATTATA
AAGTTA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_017750.4](#)

**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]

**Locus ID:** 54884

**MW:** 49