

## Product datasheet for **SC215204**

### Staufen (STAU1) (NM\_004602) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Staufen (STAU1) (NM_004602) Human 3' UTR Clone
Symbol:	Staufen
Synonyms:	PPP1R150; STAU
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004602
Insert Size:	1569 bp



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**Insert Sequence:** >SC215204 3'UTR clone of NM\_004602  
 The sequence shown below is from the reference sequence of NM\_004602. 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
GGACCAATGTCTGTGTGGGAGGTGCTGAACCTTTTCTGGCCATGAACCATTATAAAATCCCAACATA
TATACTGAAAATACTGAAACTGCTTTGAAAATTTGGAATTTCTGATACCTCCAGTGGGCCGAGAGACAC
GGTGGGTAAGGATGTGGGCAGCAGCAGGGAAGACAACAGAAACACAAGGAGGCGGCTGTGGCCGGGCT
GGACTGTGCTGGGTTTGTGTGATGGCCACTCGGTGACCTGGCGGTCCCTACGCAATAGCAGCTGCCT
GTGGGGAAGAAGGGCTGCCAGCCAGCTGGTTCTCCCGGACACCAGCAGATCCACACCCTGGGCACCT
CCGTGTTTGGTCTTTTTTTCCCTGTGTGAAAGAAGAAACGGCAGCACCCTTCTCAAGCTGGCTCAC
TCAGACACATTGGGACAAACCCTGGACAGCCATGCCAGAGAGAGGCCCTTTGACCGGCCCCAGAGCTAAA
AGCACCAGAGAAAATCAAATGCTTCTACTCAGCGTGACCCAACCTTTTCTAGTGTGCCACGGCCCCACC
ACCTCCTGCAGTACCCACACCATCACCCTGCTTCTCTTCCAACAGTGATCTGTATTCTTAGTTTCAT
TATTTTCTTTTGATTGATATGACACTATATAAAATTTTCAATTTGAGAATTTCTCAATTGTATCTAGTTA
AATAGCACAGTTTGAAACTTGTCTGAGACTGACTTTATCAATAATCTAACCGACAAAGATCATATCCA
TGTGTATGTGGTTAGACATTTTTATTTCAATGACTAACCCAGGACAGTTTCAGTGATGCAAATTTGTGTG
CCCTCTGGTTCAGCTGAAACAGTCTGGACTTTCAAAAACCTTGAATAAGTCTCCACAGTTGTATAAA
TTGGACAATTTAGGAATTTAACTTTAGATGATCATTGGTTCCATTTTATTTTATTTTATTTTGTG
TTAATGCAAAACAGGACTTAAATGAACTTTGATCTCTGTTTTAAAGATTATTA AAAAACATTGTGTATCT
ATACATATGGCTCTTGAGGACTTAGCTTTCACACTACAGGATATGATCTCCATGTAGTCCATATAA
ACCTGCAGAGTGATTTTCCAGAGTGCTCGATACTGTTAATTACATCTCCATTAGGGCTGAAAAGAATGA
CCTACGTTTCTGTATACAGCTGTGTTGCTTTTGTGTTGTGTTACTGTACACAGAAGTGTGTGCACTGA
GGCTCTGCGTGTGGTCCGTATGGAAGCCTGGTAGCCCTGCGAGTTAAGTACTGCTTCCATTCAATTGTT
TACGCTGGAATTTTTCTCCCATGGAATGTAAGTAAAACCTAAGTGTGTTGTCATCAATAAATGGTAATA
CTAAATTTTTTTGTTAATTTATTCTCAAATGCCACTACTGCTAGGTTGGTCCCCTCCAACCTTGCCCT
ATCCTTTTTTTATTTTTAAGAAAAAACTTTGTAATGCTTGTGATTCCATCTGGGCAAAAAGTCTGAAGA
TCTGAAATAACTTTATATCAAACCATTGATCAATAAACAGCTACTAATGAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_004602.4](#)

**Summary:**

Staufen is a member of the family of double-stranded RNA (dsRNA)-binding proteins involved in the transport and/or localization of mRNAs to different subcellular compartments and/or organelles. These proteins are characterized by the presence of multiple dsRNA-binding domains which are required to bind RNAs having double-stranded secondary structures. The human homologue of staufen encoded by STAU, in addition contains a microtubule-binding domain similar to that of microtubule-associated protein 1B, and binds tubulin. The STAU gene product has been shown to be present in the cytoplasm in association with the rough endoplasmic reticulum (RER), implicating this protein in the transport of mRNA via the microtubule network to the RER, the site of translation. [provided by RefSeq, Apr 2020]

**Locus ID:**

6780

**MW:**

58.7