

## Product datasheet for **TP308387M**

### Staufen (STAU1) (NM\_017453) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human staufen, RNA binding protein, homolog 1 (Drosophila) (STAU1), transcript variant T3, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC208387 representing NM\_017453  
**Red**=Cloning site **Green**=Tags(s)

MSQVQVQVQNPSAALSGSQILNKNQSLLSQPLMSIPSTTSSLPSENAGRPIQNSALPSASITSTSAAAES  
ITPTVELNALCMKLGKKPMYKVPDPYSRMQSTYNYNMRGGAYPPRYFYPFPVPLLYQVELSVGGQQFNG  
K GKTRQAAKHDAAAKALRILQNEPLPERLEVNGRESEENLNKSEISQVFEIALKRNLVNFVARESGP  
PHMKNFVTKVSVGEFVGE GEGKSKKISKNAAIAVLEELKKLPLPAVERVKPRIKKKTKPIVKPQTSPE  
YGQGINPISRLAQIQAKKEKEPEYLLTERGLPRRREFVMQVKVGNHTAEGTGTNKKVAKRNAENMLE  
ILGFKVPAQPTKPAKSEEKTIKKPGDGRKVTFFEPGSGDENGTSNKEDEFMPYLSHQQLPAGILPM  
VPEVAQAVGVSQGHHTKDFTRAAPNPAKATVTAMIARELLYGGTSPTAETILKNNISSGHVPHGPLTRPS  
EQLDYLRSRVQGFQVEYKDFPKNNKNEFVSLINCSSQPPLISHGIGKDVESCHDMAALNILKLLSELDQQS  
TEMPRTGNGPMSVCGRC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 63 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

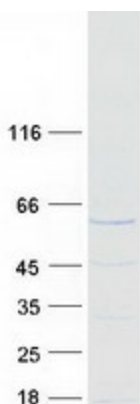
**Storage:** Store at -80°C.



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|                      |   |
|----------------------|---|
| <b>Stability:</b>    | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>RefSeq:</b>       | <a href="#">NP_059347</a>   |
| <b>Locus ID:</b>     | 6780  |
| <b>UniProt ID:</b>   | <a href="#">O95793</a> , <a href="#">B3KRE0</a>   |
| <b>RefSeq Size:</b>  | 3688  |
| <b>Cytogenetics:</b> | 20q13.13  |
| <b>RefSeq ORF:</b>   | 1731  |
| <b>Synonyms:</b>     | PPP1R150; STAU  |
| <b>Summary:</b>      | 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] |

### Product images:



Coomassie blue staining of purified STAU1 protein (Cat# [TP308387]). The protein was produced from HEK293T cells transfected with STAU1 cDNA clone (Cat# [RC208387]) using MegaTran 2.0 (Cat# [TT210002]).