

Product datasheet for PH308387

Staufen (STAU1) (NM_017453) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STAU1 MS Standard C13 and N15-labeled recombinant protein (NP_059347)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208387
Predicted MW:	63 kDa
Protein Sequence:	>RC208387 representing NM_017453 Red=Cloning site Green=Tags(s)

MSQVQVQVQNPSAALSGSQILNKNQSLLSQPLMSIPSTTSSLPSENAGRPIQNSALPSASITSTSAAAES
ITPTVELNALCMKLGKKPMYKVPDPYSRMQSTYNYNMRGGAYPPRYFYFPFVPPLLYQVELSVGGQQFNG
KGKTRQAAKHDAALKALRILQNEPLPERLEVNGRESEENLNKSEISQVFEIALKRNLPVNFVARESGP
PHMKNFVTKVSVGEFVGEVGEKSKKISKKNAAIAVLEELKKLPLPAVERVKPRIKKKTKPIVKPQTSPE
YGQGINPISRLAQIQAKKEKEPEYTLTTERGLPRRREFVMQVKVGNHTAEGTGTNKKVAKRNAENMLE
ILGFKVPQAQPTKPAKSEEKTPIKKPGDGRKVTFFEPGSGDENGTSNKEDEFRMPYLSHQQLPAGILPM
VPEVAQAVGVSQGHHTKDFTRAAPNPAKATVTAMIARELLYGGTSPTAETILKNNISSGHVPHGPLTRPS
EQLDYLSRVQGFQVEYKDFPKNNKNEFVSLINCSSQPPLISHGIGKDVESCHDMAALNILKLLSELDQQS
TEMPRTGNGPMSVCGRC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_059347
RefSeq Size:	3688
RefSeq ORF:	1731



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Synonyms: PPP1R150; STAU

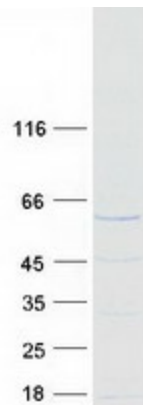
Locus ID: 6780

UniProt ID: [O95793](#), [B3KRE0](#)

Cytogenetics: 20q13.13

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]

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]).