

Recombinant Human STAU1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STAU1-4103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STAU1 MS Standard C13 and N15-labeled recombinant protein (NP_059347) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	63 kDa
AA Sequence	MSQVQVQVQNPSAALSGSQILNKNQSLLSQPLMSIPSTTSSLPSENAGRPIQNSALP SASITSTSAAESITPTVELNALCMKLGKKPMYKPVDPYSRMQSTYNNMRGGAYP PRYFYFPFPVPLLYQVELSVGGQQFNGKKGKTRQAAKHDAAKALRILQNEPLPERL

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EVNGRESEEEENLNKSEISQVFEIALKRNLPVNFEVARESGPPHMKNFVTKVSVGEFV
 GEGEGSKKISKKNAAIAVLEELKKLPPLPAVERVKPRIKKTKPIVKPQTSPEYGQGI
 NPISRLAQIQQAKKEKEPEYTLLTERGLPRRREFVMQVKVGNHTAEGTGTNKKVAK
 RNAAENMLEILGFKVPQAQPTKPALKSEEKTPIKKPGDGRKVTFFEPGSGDENGTSN
 KEDEFRMPYLSHQQLPAGILPMVPEVAQAVGVSQGHHTKDFTRAAPNPAKATVTAM
 IARELLYGGTSPTAETILKNNISSGHVPHGPLTRPSEQLDYLSRVQGFQVEYKDFPKN
 NKNEFVSLINCSSQPPLISHGIGKDVESCHDMAALNILKLLSELDQQSTEMPRTGNGP
 MSVCGRCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	STAU1 staufen double-stranded RNA binding protein 1 [Homo sapiens (human)]
Official Symbol	STAU1
Synonyms	STAU1; staufen, RNA binding protein, homolog 1 (Drosophila); STAU, staufen (Drosophila, RNA binding protein), staufen, RNA binding protein (Drosophila); double-stranded RNA-binding protein Staufen homolog 1; STAU; FLJ25010;
Gene ID	6780

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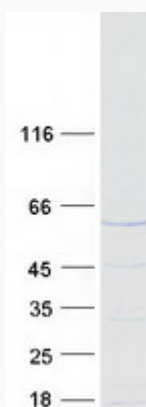
mRNA Refseq NM_017453

Protein Refseq NP_059347

MIM 601716

UniProt ID O95793

SDS-PAGE



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