



Recombinant Rat Double-stranded RNA-binding protein Staufen homolog 2 (Stau2)

Product Code	CSB-YP721243RA
Abbreviation	Stau2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q68SB1
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MANPKEKTPM CLVNELARFH SIQPQYKLLN ESGPAHSKMF SVQLSLGEQT WESEGSSIKK AQQAVANKAL TESTLPKPVQ KPPKSNVNNN PGSITPTVEL NGLAMKRGEPI AIYRPLDPKP FPNYRANYNF RGMYNQRYHC PMPKIFYVQL TVGNNEFFGE GKTRQAARHN AAMKALQALQ NEPIPEKSPQ NGESGKEMDD DKDANKSEIS LVFEIALKRN MPVSFEVIKE SGPPHMKSFV TRVSVGEFSA EGEGNSKKLS KKRAATTVLQ ELKKLPPLPV IEKPKLFFKK RPKTIKAGP EYGQGMNPIS RLAQIQQARK EKEPDYVLLS ERGMPPRRREF VMQVKVGNEV ATGTGPNKKI AKKNAAEAML LQLGYKASTS LQDQLDKTGE NKGWSGPKPG FPEPANNTPK GILHLSPDVY QEMEASRHRV TSGTTLGYLS PKDMNQPSST FFSVESPSPT SSAPAARELL MNGTSPAAEA IGLKGSSPTP PCSSVQPSKQ LEYLARIQGF QAALSALKQF SEQGLESIDG VVNVENGSLK QAKHLREKA DNNQANPGSI TQDCKKSKSV I
Source	Yeast
Target Names	Stau2
Protein Names	Recommended name: Double-stranded RNA-binding protein Staufen homolog 2 Short name= r-staufen protein
Expression Region	1-571
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	Staufen homolog 2 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. Staufen homolog 2 shares 48.5% and 59.9% similarity with drosophila and human



stausen, respectively. The exact function of Stausen homolog 2 is not known, but since it contains 3 copies of conserved dsRNA binding domain, it could be involved in double-stranded RNA binding events. Several transcript variants encoding different isoforms have been found for this gene.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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