

Product Information

MemDX™ Membrane Protein Human STAU1 (Staufen double-stranded RNA binding protein

1) for Antibody Discovery

Cat. No.: **MP1300X**

This product is for research use only and is not intended for diagnostic use.

This product is a 89.6 kDa Human STAU1 membrane protein expressed in *In vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

STAU1

Protein Length

Full-length

Molecular Weight

89.6 kDa

Sequence

MSQVQVQVQNPSAALSGSQILNKNQSLLSQPLMSIPSTTSSLPSENAGRPIQNSALPSASITSTSAAAESITPTVELNALCMKLGKKP

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Protein Format

Liposome

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

STAU1

Full Name

Staufen double-stranded RNA binding protein 1

Introduction

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.

Alternative Names

STAU; PPP1R150; double-stranded RNA-binding protein Staufen homolog 1; protein phosphatase 1, regulatory subunit 150; staufen, RNA binding protein, homolog 1

Gene ID

[6780](#)

UniProt ID

[Q95793](#)