

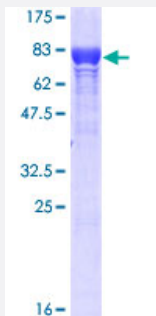
Full-Length

STIP1 (Human) Recombinant Protein (P01)

Catalog # H00010963-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human STIP1 full-length ORF (AAH02987.1, 1 a.a. - 543 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHNHVLYSNRSAAAYAKKGDYQKAYEDGCKT
VDLKPDPWGKGYSRKAALFLNRFEEAKRTYEEGLKHEANNPQLKEGLQNMEARLAERKFMNP
FNMPNLQKLESDPRTTLLSDPTYRELIEQLRNKPSDLGTLQDPRIMTTLVLLGVDLGSMDEE
EEIATPPPPPPPKKETKPEPMEEDLPENKKQALKEKELGNDAYKKKDFDTALKHYDKAKELDPT
NMTYITNQAAVYFEKGDYNKCRELCEKAIEVGRENREDYRQIAKAYARIGNSYFKEEKYKDAIHFN
KSLAEHRTPDVLKKCQQAELKEQERLAYINPDALAEKNGNECFQKGDYPQAMKHYTEAIKR
NPKDAKLYSNRAACYTKLLEFQLALKDCEECIQLEPTFIKGYTRKAAALEAMKDYTKAMDVYQKAL
DLDSCKEAADGYQRCMMAQYNRHDSPELVKRRAMADPEVQQIMSDPAMRLILEQMOKDPQA
LSEHLKNPVIAQKIQKLMDVGLAIR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

85.25

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — STIP1

Entrez GeneID	10963
GeneBank Accession#	BC002987
Protein Accession#	AAH02987.1
Gene Name	STIP1
Gene Alias	HOP, IEF-SSP-3521, P60, STI1, STI1L
Gene Description	stress-induced-phosphoprotein 1
Omim ID	605063
Gene Ontology	Hyperlink
Gene Summary	STIP1 is an adaptor protein that coordinates the functions of HSP70 (see HSPA1A; MIM 140550) and HSP90 (see HSP90AA1; MIM 140571) in protein folding. It is thought to assist in the transfer of proteins from HSP70 to HSP90 by binding both HSP90 and substrate-bound HSP70. STIP1 also stimulates the ATPase activity of HSP70 and inhibits the ATPase activity of HSP90, suggesting that it regulates both the conformations and ATPase cycles of these chaperones (Song and Ma sison, 2005 [PubMed 16100115]).[supplied by OMIM]
Other Designations	Hsp70/Hsp90-organizing protein stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)

Publication Reference

- [Autism-specific maternal autoantibodies recognize critical proteins in developing brain.](#)

Braunschweig D, Krakowiak P, Duncanson P, Boyce R, Hansen RL, Ashwood P, Hertz-Picciotto I, Pessah IN, Van de Water J.

Translational Psychiatry 2013 Jul; 3:e277.

Application: WB, Antibody

Pathway

- [Prion diseases](#)

Disease

- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian cancer](#)