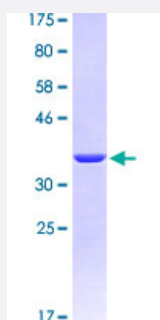


STIP1 (Human) Recombinant Protein (Q03)

Catalog # H00010963-Q03

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human STIP1 partial ORF (AAH02987.1, 80 a.a. - 180 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AALEFLNRFEEAKRTYEEGLKHEANNPQLKEGLQNMEARLAERKFMNPFNMPNLYQKLESDPRT RTLLSDPTYRELIEQLRNKPSDLGTLQDPRIMTTLS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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)

Pathway

- [Prion diseases](#)

Disease

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