

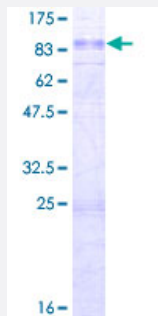
Full-Length

STON1 (Human) Recombinant Protein (P01)

Catalog # H00011037-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human STON1 full-length ORF (NP_006864.2, 1 a.a. - 735 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MCSTNPGKWVTFDDDDPAVQSSQKSKNFLENQGVCRPNGLKLNLPGLREFPSGSSSTSSTPLS
SPVDFYFSPGPPSNSPLSTPTKDFPGFPGIPKAGTHVLYPIESSSDSPLAISGGESSLLPTRPTC
LSHALLPSDHSCHTPTPKVGLPDEVNPQQAESLGFQSDDLQFQYFREDCAFSSPFWKDEGSD
SHFTLDPPGSKKMFSSRNKEMPIDQKSLNKC SLNYICEKLEHLQSAENQDSLRLSMHCLCAEE
NASSFVPHTLFRSQPKSGWSFMLRIPEKKNNMMSSRQWGPIFLKVLPGGILQMYEEQGLEKPFKEI
QLDPYCR LSEP KVENFSVAGKIHTVKIEHVSYTEKRKYHSKTEVVHEPDIEQMLKLGSTSYHDFLD
FLTTVEEELMKLPAVSKPKKNYEEQEISLEIVDNFWGKVTKEGKFVESAVITQYCLCFVNGNLECF
LTLNDLELPKRDESYEKDSEKKGIDILDYHFHKCVNVQEFEQSRIKFVPLDACRFELMRFKTLYN
GDNLPFSLKSVVVVQGAYVELQAFVNMASLAQRSSYAGSLRSCDNIRIHFVPSQWIKALWTMNL
QRQKSLKAKMNRRA CLGSLQELESEPV IQVTVGSAKYESAYQAVVWKIDRLPDKNSSLDH PHCL
SYKLELGSDQEIPSDWYPFATVQFSVPDTCASRTEVRS LGVESDVQPQKHVQQRACYNIQVEIEK
KWIKIDGEDPDKIGDCITQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

109.5

Interspecies Antigen Sequence

Mouse (76); Rat (76)

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 — STON1

Entrez GeneID	11037
GeneBank Accession#	NM_006873.2
Protein Accession#	NP_006864.2
Gene Name	STON1
Gene Alias	DKFZp781K2462, MGC149803, MGC149804, SBLF, STN1, STNB1, stoned-b1
Gene Description	stonin 1
Omim ID	605357
Gene Ontology	Hyperlink

Gene Summary

Endocytosis of cell surface proteins is mediated by a complex molecular machinery that assembles on the inner surface of the plasma membrane. This gene encodes one of two human homologs of the *Drosophila melanogaster* stoned B protein. This protein is related to components of the endocytic machinery and exhibits a modular structure consisting of an N-terminal proline-rich domain, a central region of homology specific to the human stoned B-like proteins, and a C-terminal region homologous to the mu subunits of adaptor protein (AP) complexes. Co-transcription of this gene and the neighboring downstream gene generates a rare transcript (SALF), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq]

Other Designations

stoned B homolog 1|stoned B-like factor

Pathway

- [Basal transcription factors](#)