

Recombinant Human STON1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STON1-764H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STON1 MS Standard C13 and N15-labeled recombinant protein (NP_006864) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 <i>Drosophila melanogaster</i> 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. Read-through transcription of this gene into the neighboring downstream gene, which encodes TFIIA-alpha/beta-like factor, generates a transcript (SALF), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. Alternative splicing results in multiple transcript variants.
Molecular Mass	83.2 kDa
AA Sequence	MCSTNPGKWVTFDDDDPAVQSSQKSKNFPLENQGVCRPNGLKLNLPLGLREFPSGSS STSSTPLSSPIVDFYFSPGPPSNSPLSTPTKDFPGFPGIPKAGTHVLYPIPESSSDSPL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AISGGESSLLPTRPTCLSHALLPSDHSCTHPTPKVGLPDEVNPQQAESLGFQSDDLP
 QFQYFREDCAFSSPFWKDEGSDSHFTLDPPGSKKMFSSRNKEMPIDQKSLNKCSL
 NYICEKLEHLQSAENQDSLRSLSMHCLCAEENASSFVPHLFRSQPKSGWSFMLRIP
 EKKNMSSRQWGPFLKVLPGGILQMYEQQGLEKPFKEIQLDPYCRLSEPKNVENFSV
 AGKIHTVKIEHVSYTEKRKYHSKTEVVHEPDIEQMLKLGSTSYHDFLDFLTTVEEELM
 KLPVAVSKPKKNYEEQEISLEIVDNFWGKVTKEGKFVESAVITQMYCLCFVNGNLECF
 LTLNDLELPKRDESYYEKDKSEKKGIDILDYHFHKCVNVQEFEQSRIIKFVPLDACRFEL
 MRFKTLYNGDNLPPSLKSVVVVQGAYVELQAFVNMAQLAQRSSYAGSLRSCDNIRIH
 FVPVPSQWIKALWTMNLQRQKSLKAKMNRRACLGSLQELESEPVIVTVGSAKYESA
 YQAVVWKIDRLPDKNSSLDHPHCLSYKLELGSDQEIPSDWYPFATVQFVSPDTCAS
 RTEVRS LGVESDVQPQKHVQQRACYNIQVEIEKKWIKIDGEDDPKIGDCITQTRTRPL
 EQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	STON1 stonin 1 [Homo sapiens (human)]
Official Symbol	STON1
Synonyms	STON1; stonin 1; stonin-1; SBLF; stoned B homolog 1 (Drosophila); stoned b1;

stoned-b1; stoned B homolog 1; stoned B-like factor; STN1; STNB1; FLJ95267;
MGC149803; MGC149804; DKFZp781K2462;

Gene ID 11037

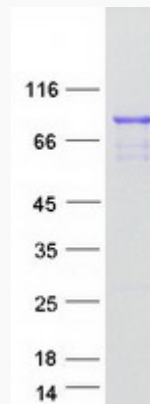
mRNA Refseq NM_006873

Protein Refseq NP_006864

MIM 605357

UniProt ID Q9Y6Q2

SDS-PAGE



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