

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 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. 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	MCSTNPGKWVTFDDDDPAVQSSQKSKNFLENQGVCPRNGLKLNLPGLREFPSGSS STSSTPLSSPIVDYFYFSPGPPSNSPLSTPTKDFPGFPGIPKAGTHVLYPIPESSSDSPL

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AISGGESSLLPTRPTCLSHALLPSDHSCTHPTPKVGLPDEVNPQQAESLGFQSDDL
 QFQYFREDCAFSSPFWKDEGSDSHFTLDPPGSKKMFSSRNKEMPIDQKSLNKCSL
 NYICEKLEHLQSAENQDSLRLSMHCLCAEENASSFVPHTLFRSQPKSGWSFMLRIP
 EKKNMSSRQWGPIFLKVLPGGILQMYEYQGLEKPFKEIQLDPYCRLSEPKVENFSV
 AGKIHTVKIEHVSYTEKRKYHSKTEVVHEPDIEQMLKLGSTSYHDFLDFTTVEEELM
 KLPAVSKPKKNYEEQEISLEIVDNFWGKVTKEGKFVESAVITQMYCLCFVNGNLECF
 LTLNDLELPKRDESYEYKDESEKKGIDILDYHFHKCVNVQEFEQSRIIKFVPLDACRFEL
 MRFKTLYNGDNLPSLKSVMVQVQAYVELQAFVNMASLAQRSSYAGSLRSCDNIRIH
 FVPVPSQWIKALWTMNLQRQKSLKAKMNRACLGSLQELESEPVIVTVGSAKYESA
 YQAVVWKIDRLPDKNSSLDHPHCLSYKLELGSDQEIPSDWYPFATVQFSVPDTCAS
 RTEVRS LGVESDVQPQKHVQQRACYNIQVEIEKKWIKIDGEDPDKIGDCITQTRTRPL
 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;

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

Gene ID 11037

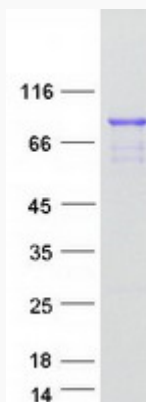
mRNA Refseq NM_006873

Protein Refseq NP_006864

MIM 605357

UniProt ID Q9Y6Q2

SDS-PAGE



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