

## Product datasheet for TP317975M

### STON1 (NM\_006873) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human stonin 1 (STON1), 100 µg        |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC217975 protein sequence<br>Red=Cloning site Green=Tags(s) |

MCSTNPGKWWTFDDDDPAVQSSQKSKNFLENQGVCRPNGLKLNLPGLREFPSGSSSTSSTPLSSPIVDFY  
FSPGPPSNSPLSTPTKDFGFGIPKAGTHVLYPIPESSSDSPLAISGGESSLLPRTPTCLSHALLPSDH  
SCTHPTPKVGLPDEVNPQQAESLGFQSDDLQFQYFREDCAFSSPFWKDEGSDSHFTLDPPGSKKMFSSR  
NKEMPIDQKSLNKCSLNYICEKLEHLQSAENQDSLRLSMHCLCAEENASSFVPHTLFRSQPKSGWSFML  
RIPEKKNMMSSRQWGPFLKVLPGGILQMYEYQGLEKPFKEIQDPYCRLEPKVENFSVAGKIHTVKIE  
HVSYTEKRKYHSKTEVVHEPDIEQMLKLGSTSYHDFLDLTTVEELMKLPAVSKPKKNYEEQEISLEIV  
DNFWGKVTKEGKFVESAVITQMYCLCFVNGNLECFLLNDLELPKRDESYYEKDSEKKGIDILDYHFHKC  
VNVQEFEQSRIKFVPLDACRFELMRFKTLYNGDNLPSLSKSVVVVQAYVELQAFVNMAQLAQRSSYAG  
SLRSCDNIRIHFVPSQWIKALWTMNLQRQKSLKAKMNRRACLGSLQELESEPVIVTVGSAKYESAYQA  
VWKIDRLPDKNSSLDHPHCLSYKLELGSQDEIPSDWYFPATVQFVSPDTCASRTEVRSLSGVESDVQPQK  
HVQQRACYNIQVEIEKKWIKIDGEDPPDKIGDCITQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

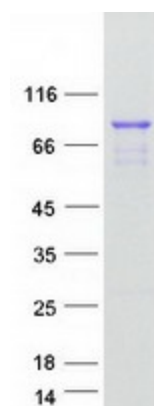
|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 83 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |



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|                          |   |
|--------------------------|---|
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>RefSeq:</b>           | <a href="#">NP_006864</a>   |
| <b>Locus ID:</b>         | 11037   |
| <b>UniProt ID:</b>       | <a href="#">Q9Y6Q2</a> , <a href="#">B2RB25</a>   |
| <b>RefSeq Size:</b>      | 5534  |
| <b>Cytogenetics:</b>     | 2p16.3  |
| <b>RefSeq ORF:</b>       | 2205  |
| <b>Synonyms:</b>         | SALF; SBLF; STN1; STNB1   |
| <b>Summary:</b>          | 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. [provided by RefSeq, Oct 2010] |
| <b>Protein Families:</b> | Transcription Factors   |
| <b>Protein Pathways:</b> | Basal transcription factors   |

### Product images:



Coomassie blue staining of purified STON1 protein (Cat# [TP317975]). The protein was produced from HEK293T cells transfected with STON1 cDNA clone (Cat# [RC217975]) using MegaTran 2.0 (Cat# [TT210002]).