

Recombinant Mouse Stam2 Protein, Myc/DDK-tagged

Cat. No. Stam2-6158M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length signal transducing adaptor molecule (SH3 domain and ITAM motif) 2 (Stam2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in intracellular signal transduction mediated by cytokines and growth factors. Upon IL-2 and GM-CSL stimulation, it plays a role in signaling leading to DNA synthesis and MYC induction. May also play a role in T-cell development. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with HGS (ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes.
Molecular Mass	57.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 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

Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Stam2 signal transducing adaptor molecule (SH3 domain and ITAM motif) 2 [Mus musculus (house mouse)]
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Official Symbol	Stam2
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Synonyms	STAM2; signal transducing adaptor molecule (SH3 domain and ITAM motif) 2; signal transducing adapter molecule 2; STAM-2; Hrs binding protein; hrs-binding protein; Hbp; BB145015; 1200004O12Rik; 5730456G07Rik
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Gene ID	56324
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mRNA Refseq	NM_019667
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Protein Refseq	NP_062641
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UniProt ID	O88811
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