

Recombinant Human STAM2 protein ab132279

1 Image

Description

Product name	Recombinant Human STAM2 protein		
Expression system	Wheat germ		
Accession	<u>O75886</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	<div>MPLFTANPFEQDVEKATNEYNTTEDWSLIMDICDKVGSTP NGAKDCLKAI MKRVNHKVPHVALQALTLLGACVANGCKIFHLEVCSRDF ATEVRAVIKNK AHPKVCEKLSLMVEWSEEFQKDPQFSLISATIKSMKEE GITFPPAGSQT VSAAAKNGTSSNKNKEDEDIAKAIELSLQEQQQHTETKS LYPSSEIQLN NKVARKVRALYDFEAVEDNELTFKHGEIIVLDDSDANWW KGENHRGIGL FPSNFVTTNLNIETEAAAVDKLNVIDDDVEEIKKSEPEPVYI DEDKMDRA LQVLQSIDPTDSKPDSQDLLLEDICQQMGPMIDEKLEEID RKHSELSEL NVKVLEALELYNKLVNEAPVYSVYSKLHPPAHYPPASSGV PMQTPVQSH GGNYMGQSIHQVTVAQSYSLGPDQIGPLRSLPPNVNSSVT AQPAQTSYLS TGQDTVSNPTYMNQNSNLQSATGTTAYTQQMGMSVDMS SYQNTTSNLPQL AGFPVTVPAHPVAQQHTNYHQQPLL</div>		
Predicted molecular weight	83 kDa including tags		
Amino acids	1 to 525		

Specifications

Our **Abpromise guarantee** covers the use of **ab132279** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA
	SDS-PAGE
	Western blot
Form	Liquid

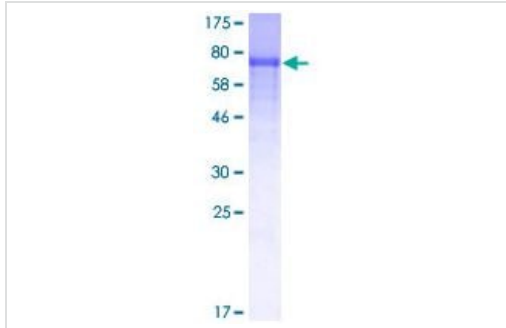
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
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General Info

Function	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.
Tissue specificity	Ubiquitously expressed.
Sequence similarities	Belongs to the STAM family. Contains 1 ITAM domain. Contains 1 SH3 domain. Contains 1 UIM (ubiquitin-interacting motif) repeat. Contains 1 VHS domain.
Domain	The VHS and UIM domains mediate the interaction with ubiquitinated proteins. The SH3 domain mediates the interaction with USP8. Contains one Pro-Xaa-Val-Xaa-Leu (PxVxL) motif, which is required for interaction with chromoshadow domains. This motif requires additional residues -7, -6, +4 and +5 of the central Val which contact the chromoshadow domain.
Post-translational modifications	Phosphorylated in response to IL-2, GM-CSF, EGF and PDGF.
Cellular localization	Cytoplasm. Early endosome membrane.

Images



SDS-PAGE - Recombinant Human STAM2 protein
(ab132279)

12.5% SDS-PAGE analysis of ab132279 stained with Coomassie Blue.

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