9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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STAMBP Human

STAM Binding Protein Human Recombinant
RCP2255

Product Overview

Name	STAMBP Human
Description	
STAM Binding Protein Human Recombinant	
Accession (Primary)	O95630
Synonyms	
STAM-binding protein, Associated molecule with the SH3 domain of STAM, Endosome-associated ubiquitin isopeptidase, AMSH, EC 3.1.2.15, EC 3.4.19, MICCAP.	
Introduction	
STAM Binding Protein (STAMBP) is a zinc metalloprotease which specifically cleaves Lys-63-linked polyubiquitin chains, however it doesn't cleave Lys-48-linked polyubiquitin chains. STAMBP has a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF. In addition, STAMBP potentiates BMP signaling by antagonizing the inhibitory action of SMAD6 and SMAD7. STAMBP also has a major role in regulation of cell surface receptor-mediated endocytosis and ubiquitin-dependent sorting of receptors to lysosomes. Endosomal localization of STAMBP is essential for efficient EGFR degradation but not for its internalization. STAMBP is also involved in the negative regulation of PI3K-AKT-mTOR and RAS-MAP signaling pathways.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
STAMBP protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE..	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MGS MSDHGDV SLPPEDRVRA LSQLGSAVEV NEDIPPRRYF RSGVEIIRMA SIYSEEGNIE HAFILYNKYI TLFIEKLPKH RDYKSAVIPE KKDTVKKLKE IAFPKAEELK AELLKRYTKE YTEYNEEKKK EAEELARNMA IQQELEKEKQ RVAQQKQQQL EQEQFHAFEE MIRNQELEKE RLKIVQEFGK VDPGLGGPLV PDLEKPSLDV FPTLTVSSIQ PSDCHTTVRP AKPPVVDRSL KPGALSNSES IPTIDGLRHV VVPGRLCPQF LQLASANTAR GVETCGILCG KLMRNEFTIT HVLIPKQSAG SDYCNTENEE ELFLIQDQQG LITLGWIHTH PTQTAFLSSV DLHTHCSYQM MLPESVAIVC SPKFQETGFF KLTDHGLEEI SSCRQKGFHP HSKDPPLFCS CSHVTVVDRA VTITDLR.

Precautions

STAMBP Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O95630)