

Recombinant Human STAMPB Protein (Lys126-Ser368), His tagged

Cat. No. STAMPB-5564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STAMPB (Lys126-Ser368) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys126-Ser368
Description	Zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not cleave 'Lys-48'-linked polyubiquitin chains (By similarity). Plays a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF. Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7. Has a key role in regulation of cell surface receptor-mediated endocytosis and ubiquitin-dependent sorting of receptors to lysosomes. Endosomal localization of STAMPB is required for efficient EGFR degradation but not for its internalization (By similarity). Involved in the negative regulation of PI3K-AKT-mTOR and RAS-MAP signaling pathways.
Form	Lyophilized powder/frozen liquid
Molecular Mass	27.73 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	STAMPB STAM binding protein [Homo sapiens (human)]
Official Symbol	STAMPB
Synonyms	STAMPB; STAM binding protein; STAM-binding protein; AMSH; endosome-associated ubiquitin isopeptidase; associated molecule with the SH3 domain of STAM; MGC126516; MGC126518;
Gene ID	10617
mRNA Refseq	NM_006463
Protein Refseq	NP_006454
MIM	606247
UniProt ID	O95630

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