
Product Data Sheet

Product Name: STAMBPL1 Human

Cat. No.: GP24712

Batch No.: 1

Product Data

| | | | |
|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | ALMalpha; AMSH-FP; AMSH-LP; bA399O19.2; AMSH-like protease; STAM Binding Protein Like 1; STAMBPL1; AMSHLP; KIAA1373. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSQ SHMDQPFTVN SLKKLAAMPD HTDVLSPEE RVRALSKLGC NITISEDITP RRYFRSGVEM ERMASVYLEE GNLENFVLY NKFITLFVEK LPNHRDYQQC AVPEKQDIMK KLKEIAFPRT DELKNDLLKK YNVEYQEYLQ SKNKYKAEIL KKLEHQRLIE AERKRIAQMR QQLESEQFL FFEDQLKKQE LARGQMRSQQ TSGLSEQIDG SALSCFSTHQ NNSLLNVFAD QPNKSDATNY ASHSPVNRA LTPAATLSAV QNLVVEGLRC VVLPEDLCHK FLQLAESNTV RGIETCGILC GKLTHNEFTI THVIVPKQSA GPDYCDMENV EELFNVQDQH DLLTLGWIHT HPTQTAFSS VDLHTHCSYQ LMLPEAIAIV CSPKHKDTGI FRLTNAGMLE VSACKKKGFH PHTKEPRLFS ICKHVLVKDI KIIVLDLR. | | |
| Formulation | The STAMBPL1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl and 20% glycerol. | | |

Introduction

STAM Binding Protein Like 1 (STAMBPL1) is a zinc metalloprotease which specifically cleaves 'Lys-63'-linked polyubiquitin chains, however, it doesn't cleave 'Lys-48'-linked polyubiquitin chains. STAMBPL1 binds 2 zinc ions per subunit. The JAMM motif is vital for the protease activity. STAMBPL1 is a member of the peptidase M67C family. STAMBPL1 contains 1 MPN (JAB/Mov34) domain.

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

STAMBPL1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 458 amino acids (1-436) and having a molecular mass of 52 kDa. STAMBPL1 is fused to a 22 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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