

STAMBPL1 Human

Description: 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.

Catalog #: PRPS-1361

For research use only.

Synonyms: ALMalpha, AMSH-FP, AMSH-LP, bA399O19.2, AMSH-like protease, STAM Binding Protein Like 1, STAMBPL1, AMSHLP, KIAA1373.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSQ SHMDQPFTVN SLKLAAMPD
HTDVLSPEE RVRALSKLGC NITISEDITP RRYFRSGVEM ERMASVYLEE GNLENAFVLY
NKFITLFVEK LPNHRDYQQC AVPEKQDIMK KLKEIAFPRT DELKNDLLKK YNVEYQEYLQ
SKNKYKAEIL KKLEHQRLIE AERKRIAQMR QQQLESEQFL FFEDQLKKQE LARGQMRSQQ
TSSLSEQIDG SA

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The STAMBPL1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl and 20% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

STAM Binding Protein Like 1 (STAMBPL1) is a zinc metalloprotease which specifically cleaves 'Lys-63'-linked polyubiquitin chains, however, it does not 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.

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