

STAMBPL1, 1-436aa

Cat.NO.: TP04049

3th Edition

Synonyms:AMSH-like protease, ALMalpha, AMSH-FP, AMSH-LP, bA399O19.2.

Description:STAMBPL1 is a zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains, but doesn't cleave 'Lys-48'-linked polyubiquitin chains. The JAMM motif is essential for the protease activity. Recombinant human STAMBPL1 protein, fused to His-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol.

Molecular Weight:52 kDa (458aa)

Sequences:

MGSSHHHHHSSGLVPRGSQSHMDQPFTVNSLKKLAAMPDHTDVLSPEERVRLSKLGCNITISEDITPRRYFRS
GVEMERMASVYLEEGNLENAFVLYNKFITLFVEKLPNHRDYQQCAVPEKQDIMKKLKEIAFPRTDELKNDLLKKYNV
EYQEYLQSKNKYKAEILKKLEHQRLIEAERKRIAQMRQQLESEQFLFFEDQLKKQELARGQMRSQQTSGLSEQID
GSALSCFSTHQNNLLNVFADQPNKSDATNYASHPPVNRALTPAATLSAVQNLVVEGLRCVVLPEDLCHKFLQLA
ESNTVRGIETCGILCGKLTHTNEFTITHVIVPKQSAGPDYCDMENVEELFNVQDQHDLLTLGWIHTHTPTQTAFLSSVDL
HTHCSYQLMLPEAIAIVCSPKHKDTGIFRLTNAGMLEVSACKKKGFHPHTKEPRLFSICKHVLVKDIKIIVLDLR

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.