
MATERIAL DATA SHEET

Recombinant Human AMSH/STAMBP**Cat. # E-548B**

AMSH (STAM binding protein) is a zinc metalloprotease belonging to the JAMM (JAB1/MPN/Mov34) family of deubiquitinating enzymes (DUBs). This enzyme functions at the endosome, where it is involved in the sorting of various cell-surface receptors to lysosomes. AMSH cleaves K63-linked but not K48-linked polyubiquitin chains, and the *in vitro* activity of AMSH is greatly increased in the presence of STAM protein. This recombinant protein is full-length.

Product Information

Quantity:	50 µg
MW:	48 kDa
Source:	<i>Spodoptera frugiperda</i> , Sf21 (baculovirus)-derived Accession # O95630
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 8.0, 150 mM NaCl, 10% Glycerol (v/v), 1 mM TCEP
Purity:	>85%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

Use & Storage

Use:	Recombinant Human AMSH is a Ubiquitin-specific deconjugating enzyme. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human AMSH concentration of 100-500 nM. AMSH activity is partially or fully inhibited by DTT at concentrations above 1 mM.
Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 12 months from date of receipt, -70 °C as supplied.• 3 months, -70 °C under sterile conditions after opening.

Literature

References:

1. Agromayor, M. and Martin-Serrano, J. (2006) J. Biol. Chem **281**:23083
2. Kim, M.S., *et al.* (2006) Biochem. Biophys. Res Comm. **351**:612
3. McCullough, J., *et al.* (2006) Current Biology **16**:160
4. Sato, Y., *et al.* (2008) Nature. **455**:358

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