AMSH recombinant protein

AMSH, Active

CATALOG #	HOST	APPLICATIONS
AAA73249	**Sf9 insect cells**	**Western Blot**

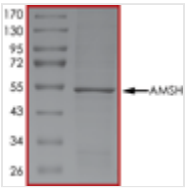
PRODUCT SYNONYMS

AMSH; Active; STAMBP; MICCAP; AMSH recombinant protein

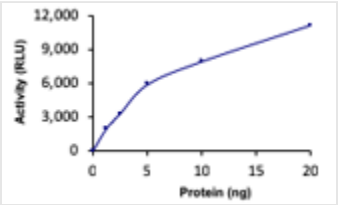
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for AMSH recombinant protein	WB (Western Blot), Activity Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity
Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for AMSH recombinant protein	Recombinant full-length human AMSH was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The AMSH gene accession number is NM_006463. AMSH (STAM binding protein) is a member of the JAMM metallo-enzyme family of deubiquitinating enzymes and is a ubiquitin isopeptidase found in the endosomes. It is involved in EGFR downregulation and regulates sorting of cell-surface receptors to the lysosome. The enzyme binds to the SH3 domain of STAM, which is required for MYC and cell growth (1). It has been hypothesized that mutations in AMSH are associated with Microcephaly-capillary malformation (2).
Product Categories/Family for AMSH recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder

References	1. McCullough, John et al: AMSH is an endosome-associated ubiquitin isopeptidase. Journal of cell biology. vol. 166,4 (2004): 487-92. 2. McDonell, Laura M et al: Mutations in STAMBP, encoding a deubiquitinating enzyme, cause microcephaly-capillary malformation syndrome. Nature genetics 45(5): 556-62, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_006463
Molecular Weight	54kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/amsh-recombinant-protein-sf9-insect-cells-wb-western-blot-activity-assay/73249