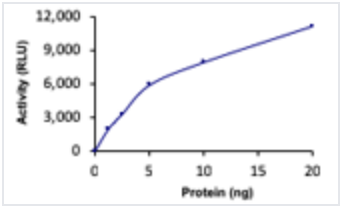
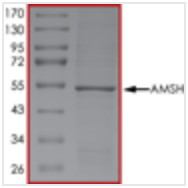
AMSH Recombinant Protein

PRODUCT OVERVIEW

Product Name	AMSH, Recombinant Protein
Full Product Name	AMSH, Active
Product Gene Name	AMSH recombinant protein
Product Synonym Names	STAMBP; MICCAP
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.
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.
Molecular Weight	54kDa
Tag	HIS
Species	Human
Dry Ice Shipment	Extra charge fee may add to your shipping cost as dry ice is required to ship this product.
Product Categories/Family for AMSH recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder
Applications Tested/Suitable for AMSH recombinant protein	Activity Assay, Western Blot (WB)
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 References and Citations for AMSH recombinant protein	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.
Other Notes	Small volumes of AMSH recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AMSH purchase	MBS516571 is a recombinant protein targeting AMSH. Also known as AMSH, Active. Host: Sf9 insect cells.



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



SDS-Page of AMSH recombinant protein
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AMSH. It may not necessarily be applicable to this product.

GenBank Nucleotide #	NM_006463
Protein Family	Amylovoran export outer membrane protein
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