

MAST3 recombinant protein

MAST3, Active

CATALOG # AAA73736	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

PRODUCT SYNONYMS

MAST3; Active; MAST3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
Applicable Applications for MAST3 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
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 MAST3 recombinant protein	Recombinant human MAST3 (1-723a.a.) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number for MAST3 is NM_015016. MAST3 belongs to the microtubule-associated serine/threonine-protein kinase family, which is characterized by containing a serine/threonine kinase domain and a PDZ domain, and is highly expressed in brain (1). MSAT3 suppresses the degradation and promotes phosphorylation of tumor suppressor PTEN via binding to specific PDZ domains (2). MSAT3 is known to modulate the immune functions in inflammatory bowel diseases via regulating NF- κ B, cell adhesion and/or migration and production of pro-inflammatory cytokines (3).
Product Categories/Family for MAST3 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Ser/Thr Kinases

References

1. Garlanda, P. et al. Expression of the MAST family of serine/threonine kinases. Brain Research. (1195) 12-19, 2008.
2. Valiente, M. et al. Binding of PTEN to Specific PDZ Domains Contributes to PTEN Protein Stability and Phosphorylation by Microtubule-associated Serine/Threonine Kinases. The Journal of Biological Chemistry. (280) 28936-28943, 2005.
3. Labbé, C. et al. Genome-wide Expression Profiling Implicates a MAST3-Regulated Gene Set in Colonic Mucosal Inflammation of Ulcerative Colitis Patients. Inflamm Bowel Dis. (6) 1072-1080, 2012.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_015016
Molecular Weight	130kDa

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/mast3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73736>