

MINK1 active protein

Recombinant MINK1 (1-320) protein

CATALOG # AAA60330	HOST Baculovirus
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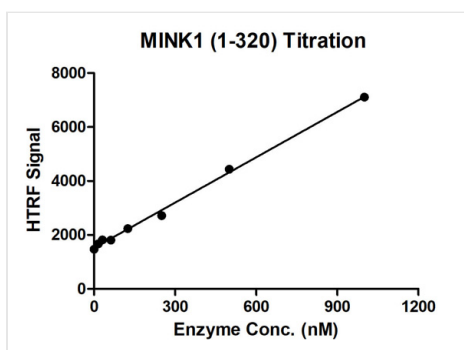
PRODUCT SYNONYMS

MINK1; Recombinant MINK1 (1-320) protein; Misshapen Like Kinase 1; MINK1 active protein

PRODUCT SPECIFICATIONS

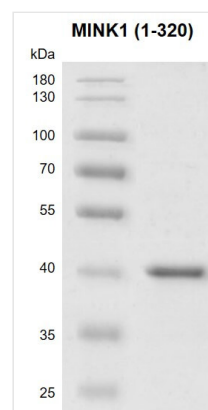
Host	Baculovirus
Purity/Purification	>95%
Form/Format	Recombinant MINK1 (1-320) protein is supplied at a concentration of 0.25 ug/ul in 25 mM HEPESNaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant MINK1 (1-320) protein that includes amino acids 1-320 of human MINK1 protein (accession number NP_722549.2) was expressed in a baculovirus expression system and contains an N-terminal DYKDDDDK tag. The molecular weight of the protein is 37.7 kDa.
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	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



Bioactivity

HTRF Assay for Recombinant MINK1 (1-320) activity. 1 uM STK S3 substrate was incubated with different concentrations of MINK1 (1-320) protein in 10 ul reaction system containing 1xEnzymatic Buffer, 5 mM MgCl₂, 1 mM DTT and 100 uM ATP for 1 hour. The 10 ul detection reagents containing anti-STK antibody (1:2) and SA-XL665 (1:100) diluted with 1x Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

Recombinant MINK1 (1-320) protein gel 10% SDS-PAGE gel with Coomassie blue staining
MW: 37.7 kDa Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for MINK1 active protein	MINK1 (Misshapen Like Kinase 1) is a serine/threonine kinase which acts as a negative regulator of Rasrelated Rap2-mediated signal transduction to control neuronal structure and AMPA receptor trafficking. MINK1 is required for normal synaptic density, dendrite complexity, as well as surface AMPA receptor expression in hippocampal neurons. MINK1 can activate the JNK and MAPK14/p38 pathways and mediate stimulation of the stress-activated protein kinase MAPK14/p38 MAPK downstream of the Raf/ERK pathway. Diseases associated with MINK1 include Alzheimer Disease 15 and Shipyard Eye.
Product Categories/Family for MINK1 active protein	Kinase; Recombinant Proteins

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.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/mink1/60330>