

p38gamma recombinant protein

p38gamma, Active

CATALOG # AAA73027	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
------------------------------	---	-------------------------------------

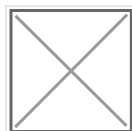
PRODUCT SYNONYMS

p38gamma; Active; p38gamma recombinant protein

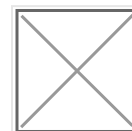
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	1916
Applicable Applications for p38gamma recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
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



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for p38gamma recombinant protein	Description: Recombinant full-length human p38gamma was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: p38gamma is a member of the p38 MAPK family which is activated in response to stress (1). p38gamma gene was mapped to 22q13.3 and functions as a signal transducer during differentiation of myoblasts to myotubes. Enforced localization of p38gamma in the nucleus or cytoplasm markedly attenuates the ability of the kinase to induce cell cycle arrest in fibroblasts. p38gamma increases basal glucose uptake and decreases DNP- and contraction-stimulated glucose uptake, partially by affecting levels of glucose transporter expression in skeletal muscle (2).
Product Categories/Family for p38gamma recombinant protein	Enzymes; Active Kinases

References	1. Li, Z. et al: The primary structure of p38-gamma: a new member of p38 group of MAP kinases. Biochem. Biophys. Res. Commun. 228: 334-340, 1996. 2. Ho, RC. et al: p38gamma MAPK regulation of glucose transporter expression and glucose uptake in L6 myotubes and mouse skeletal muscle. Am J Physiol Regul Integr Comp Physiol. 2004 Feb; 286 (2):R342-9. Epub 2003 Oct 30.
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	1114655579
NCBI GeneID	6300
NCBI Accession #	NM_002969.5
NCBI GenBank Nucleotide #	NM_002969
UniProt Accession #	P53778; Q14260; Q6IC53; Q99588; Q99672
Molecular Weight	~71 kDa
NCBI Official Full Name	Homo sapiens mitogen-activated protein kinase 12 (MAPK12), transcript variant 1, mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase 12
NCBI Official Symbol	MAPK12
NCBI Official Synonym Symbols	ERK3; ERK6; ERK-6; SAPK3; PRKM12; SAPK-3; MAPK 12; P38GAMMA
NCBI Protein Information	mitogen-activated protein kinase 12
UniProt Protein Name	Mitogen-activated protein kinase 12
UniProt Gene Name	MAPK12
UniProt Synonym Gene Names	ERK6; SAPK3; MAP kinase 12; MAPK 12; ERK-6; MAP kinase p38 gamma

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/mapk12-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73027>