

Active Recombinant Human DUSP6 & MAPK14 protein

Cat. No. DUSP6 & MAPK14-631H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DUSP6 & MAPK14 was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	MKP-3 (MAP Kinase Phosphatase-3, DUSP-6, PYST1) has an N-terminal MAP kinase binding domain. Co-expressing MKP-3 with p38 MAP kinase results in increased phosphatase activity compared to MKP-3 expressed alone.
Form	Liquid. In 20mM TRIS/HCl, pH 8.0, 200mM NaCl, 5mM DTT, 0.1 % Tween-20, 10% glycerol.
Bio-activity	≥10 U/μg assayed by 3-O-methyl fluorescein phosphate (OMFP) hydrolysis at 30 centigrade.
Molecular Mass	42 kDa / 41 kDa
Purity	≥90% (SDS-PAGE)
Storage	Store at -80 centigrade

GENE INFORMATION

Gene Name	DUSP6 dual specificity phosphatase 6 [Homo sapiens]
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Official Symbol	DUSP6
Synonyms	DUSP6; dual specificity phosphatase 6; dual specificity protein phosphatase 6; MKP 3; PYST1; MAP kinase phosphatase 3; dual specificity protein phosphatase PYST1; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 3; MKP3;
Gene ID	1848
mRNA Refseq	NM_001946
Protein Refseq	NP_001937
MIM	602748
UniProt ID	Q16828
Chromosome Location	12q22-q23
Pathway	Activated TLR4 signalling, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; ERK/MAPK targets, organism-specific biosystem; ERKs are inactivated, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; protein tyrosine phosphatase activity;