

Recombinant Mouse Dusp6 Protein, Myc/DDK-tagged

Cat. No. Dusp6-2691M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dual specificity phosphatase 6 (Dusp6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Inactivates MAP kinases. Has a specificity for the ERK family. Plays an important role in alleviating acute postoperative pain. Necessary for the normal dephosphorylation of the long-lasting phosphorylated forms of spinal MAPK1/3 and MAP kinase p38 induced by peripheral surgery, which drives the resolution of acute postoperative allodynia. Also important for dephosphorylation of MAPK1/3 in local wound tissue, which further contributes to resolution of acute pain.
Molecular Mass	42.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Dusp6 dual specificity phosphatase 6 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Dusp6](#)

Synonyms DUSP6; dual specificity phosphatase 6; dual specificity protein phosphatase 6; MAP kinase phosphatase 3; mitogen-activated protein kinase phosphatase 3; MKP3; MKP-3; PYST1; 1300019I03Rik; MGC98540

Gene ID [67603](#)

mRNA Refseq [NM_026268](#)

Protein Refseq [NP_080544](#)

UniProt ID [Q9DBB1](#)

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