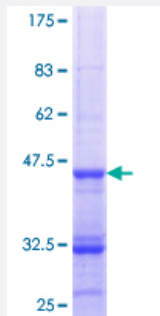


DUSP16 (Human) Recombinant Protein (Q01)

Catalog # H00080824-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DUSP16 partial ORF (NP_085143.1, 561 a.a. - 665 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	TESSHFYSASAIYGGSSAYSAYSCSQLPTCGDQVYSVRRRQKPSDRADSRRSWHEESPFEKQF KRRSCQMEFGESIMSENRSREELGKVGSQSSFSGSMEIIEVS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.29
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DUSP16

Entrez GeneID [80824](#)

GeneBank Accession# [NM_030640](#)

Protein Accession# [NP_085143.1](#)

Gene Name DUSP16

Gene Alias KIAA1700, MGC129701, MGC129702, MKP-7, MKP7

Gene Description dual specificity phosphatase 16

Omim ID [607175](#)

Gene Ontology [Hyperlink](#)

Gene Summary The activation of mitogen-activated protein kinase (MAPK) cascades transduces various extracellular signals to the nucleus to induce gene expression, cell proliferation, differentiation, cell cycle arrest, and apoptosis. For full activation of MAPKs, dual-specificity kinases phosphorylate both threonine and tyrosine residues in MAPK TXY motifs. MKPs are dual-specificity phosphatases that dephosphorylate the TXY motif, thereby negatively regulating MAPK activity.[supplied by OMIM]

Other Designations MAPK phosphatase-7

Pathway

- [MAPK signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)