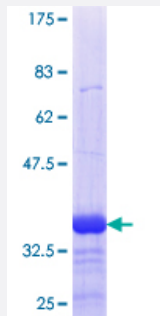


DUSP5 (Human) Recombinant Protein (Q01)

Catalog # H00001847-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DUSP5 partial ORF (NP_004410, 286 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LKEAFDYIKQRRSMVSPNFGFMGQLLQYESEILPSTPNPQPPSCQGEAAGSSLIGHLQTLSPDMQ GAYCTFPASVLAPVPTHSTVSELSRSPVATATSC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (88)
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 — DUSP5

Entrez GeneID [1847](#)

GeneBank Accession# [NM_004419](#)

Protein Accession# [NP_004410](#)

Gene Name DUSP5

Gene Alias DUSP, HVH3

Gene Description dual specificity phosphatase 5

Omim ID [603069](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, is expressed in a variety of tissues with the highest levels in pancreas and brain, and is localized in the nucleus. [provided by RefSeq]

Other Designations OTTHUMP00000020476|VH1-like phosphatase 3|serine/threonine specific protein phosphatase

Pathway

- [MAPK signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)