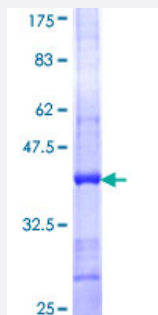


DUSP3 (Human) Recombinant Protein (Q01)

Catalog # H00001845-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DUSP3 partial ORF (NP_004081, 76 a.a. - 185 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NFYKDSGITYLGIKANDTQEFNLSAYFERAADFIDQALAQKNGRVLVHCREGYSRPTLVIAYLMMRQKMDVKSALSIVRQNRGIPNDGFLAQLCQLNDRLAKEGKLP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (94); Rat (92)
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 — DUSP3

Entrez GeneID [1845](#)

GeneBank Accession# [NM_004090](#)

Protein Accession# [NP_004081](#)

Gene Name DUSP3

Gene Alias VHR

Gene Description dual specificity phosphatase 3

Omim ID [600183](#)

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 maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast cancer pedigrees and in sporadic tumors was negative, leading to the conclusion that this gene is not BRCA1. [provided by RefSeq]

Other Designations serine/threonine specific protein phosphatase|vaccinia virus phosphatase VH1-related

Pathway

- [MAPK signaling pathway](#)