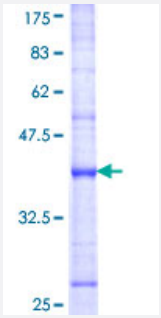
DUSP8 (Human) Recombinant Protein (Q01)

Catalog # H00001850-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DUSP8 partial ORF (NP_004411, 2 a.a. - 109 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AGDRLPRKVMDAKKLASLLRGGPGGPLVIDSRSFVEYNSWHVLSSVNICCSKLVKRRLQQGKVTIAELIQPAARSQVEATEPQDVVVYDQSTRDASVLAADSFLSILL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
Interspecies Antigen Sequence	Mouse (97); Rat (98)
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 — DUSP8

Entrez GeneID	1850
GeneBank Accession#	NM_004420
Protein Accession#	NP_004411
Gene Name	DUSP8
Gene Alias	C11orf81, FLJ42476, FLJ42958, HB5, HVH-5, HVH8
Gene Description	dual specificity phosphatase 8
Omim ID	602038
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 is 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 SAPK/JNK and p38, is expressed predominantly in the adult brain, heart, and skeletal muscle, is localized in the cytoplasm, and is induced by nerve growth factor and insulin. An intronless pseudogene for DUSP8 is present on chromosome 10q11.2. [provided by RefSeq
Other Designations	H1 phosphatase, vaccinia virus homolog|serine/threonine specific protein phosphatase

Pathway

- MAPK signaling pathway