

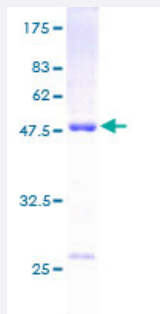
Full-Length

DUSP13 (Human) Recombinant Protein (P01)

Catalog # H00051207-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DUSP13 full-length ORF (AAH09778, 1 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDSLQKQDLRRPKIHGAVQASPYQPPTLASLQRLWVRQAATLNHIDEVWPSLFLGDAYAARDK
SKLIQLGITHVVNAAAGKFQVDTGAKFYRGMSLEYGIEADDNPFFDLVSVYFLPVARYRAALSVPQ
GRVLVHCAMGVSRSATLVLAFLMIYENMTLVEAIQTVQAHNRICPNSGFLRQLQVLDNRLGRETGR
F

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

47.52

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

- Phosphatase Assay (Cdc25)
- Phosphatase Assay (PTP)
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DUSP13

Entrez GeneID [51207](#)

GeneBank Accession# [BC009778](#)

Protein Accession# [AAH09778](#)

Gene Name DUSP13

Gene Alias BEDP, DUSP13A, DUSP13B, FLJ32450, MDSP, SKRP4, TMDP

Gene Description dual specificity phosphatase 13

Gene Ontology [Hyperlink](#)

Gene Summary

Members of the protein-tyrosine phosphatase superfamily cooperate with protein kinases to regulate cell proliferation and differentiation. This superfamily is separated into two families based on the substrate that is dephosphorylated. One family, the dual specificity phosphatases (DSPs) acts on both phosphotyrosine and phosphoserine/threonine residues. This gene encodes different but related DSP proteins through the use of non-overlapping open reading frames, alternate splicing, and presumed different transcription promoters. Expression of the distinct proteins from this gene has been found to be tissue specific and the proteins may be involved in postnatal development of specific tissues. A protein encoded by the upstream ORF was found in skeletal muscle, whereas the encoded protein from the downstream ORF was found only in testis. In mouse, a similar pattern of expression was found. Multiple alternatively spliced transcript variants were described, but the full-length sequence of only some were determined. [provided by RefSeq]

Other Designations

OTTHUMP00000019875|OTTHUMP00000060197|branching-enzyme interacting dual-specificity protein phosphatase|dual-specificity phosphatase SKRP4|muscle-restricted dual specificity phosphatase

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)