Recombinant Human DUSP13, GST-tagged

Cat. No. DUSP13-12206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DUSP13 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-198a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing

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	cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	DUSP13 dual specificity phosphatase 13 [Homo sapiens]
Official Symbol	DUSP13
Synonyms	DUSP13; dual specificity phosphatase 13; dual specificity protein phosphatase 13; BEDP; DUSP13A; DUSP13B; FLJ32450; TMDP; muscle-restricted DSP; branching-enzyme interacting DSP; dual specificity phosphatase SKRP4; testis- and skeletal-muscle-specific DSP; branching-enzyme interacting dual-specificity protein phosphatase; MDSP; SKRP4;
Gene ID	51207
mRNA Refseq	NM_001007271
Protein Refseq	NP_001007272
MIM	613191
UniProt ID	Q6B8I1
Chromosome Location	10q23.1
Function	hydrolase activity; protein tyrosine phosphatase activity; protein

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	tyrosine/serine/threonine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;

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