

Recombinant Human DUSP12 protein, GST-tagged

Cat. No. DUSP12-5643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DUSP12 protein(1-340 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-340 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MLEAPGPSDGCELSNPSASRVSCAGQMLEVQPGLYFGGAAAVAEPDHLREAGITA VLTVDSEEPSFKAGPGVEDLWRLFVPALDKPETDLLSHLDRCVAFIGQARAEGRAVL VHCHAGVSRVAITAFMKTDQLPFEKAYEKLQILKPEAKMNEGFQWLKLYQAMG YEVDTSIAIKQYRLQKVTEKYPELQNLQPQLFAVDPTTVSQGLKDEVLYKCRKCRR SLFRSSSILDHREGSGPIAFAHKRMTPSSMLTTGRQAQCTSYFIEPVQWMESALLGV MDGQLLCPKCSAKLGSFNWYGEQCSCGRWITPAFQIHKNRVDEMKILPVLGSQTGK I
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.

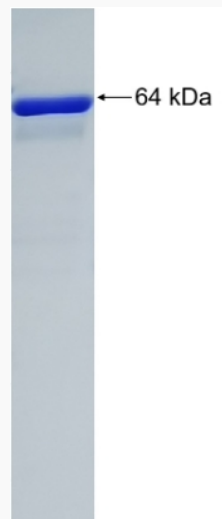
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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
GENE INFORMATION	
Gene Name	DUSP12 dual specificity phosphatase 12 [Homo sapiens]
Official Symbol	DUSP12
Synonyms	DUSP12; dual specificity phosphatase 12; dual specificity protein phosphatase 12; DUSP1; serine/threonine specific protein phosphatase; YVH1; YVH1 protein tyrosine phosphatase (S. cerevisiae) ortholog; YVH1 protein-tyrosine phosphatase ortholog; dual specificity tyrosine phosphatase YVH1;
Gene ID	11266
mRNA Refseq	NM_007240
Protein Refseq	NP_009171
MIM	604835
UniProt ID	Q9UNI6

SDS-PAGE



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