

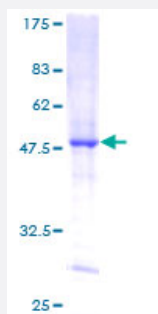
Full-Length

## DUSP14 (Human) Recombinant Protein (P01)

Catalog # H00011072-P01

Size 25 ug, 10 ug

### Applications



### Specification

<b>Product Description</b>	Human DUSP14 full-length ORF ( AAH00370, 1 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MSSRGHSTLPRTLAPRMISEGDIGGIAQITSSLFLGRGSVASNRHLLQARGITCVNATIEIPNFWP QFEYVKVPLADMPHAPIGLYFDTVADKIHSVSRKHGATLVHCAAGVSRSATLCIAYLMKFHNVCLL EAYNWVKARRPVIRPNVGFWRQLIDYERQLFGKSTVKMVQTPYGVDPVYEKESRHLMPYWGI
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	47.52
<b>Interspecies Antigen Sequence</b>	Mouse (93); Rat (94)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	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 — DUSP14

**Entrez GeneID** [11072](#)**GeneBank Accession#** [BC000370](#)**Protein Accession#** [AAH00370](#)**Gene Name** DUSP14**Gene Alias** MKP-L, MKP6**Gene Description** dual specificity phosphatase 14**Omim ID** [606618](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** In addition to antigen recognition by the T-cell receptor, T-cell activation requires a second signal from a costimulatory receptor, such as CD28 (MIM 186760), which interacts with B7-1 (CD80; MIM 112203) and B7-2 (CD86; MIM 601020) ligands on antigen-presenting cells. CD28 costimulation induces transcription of interleukin-2 (IL2; MIM 147680) and stabilizes newly synthesized IL2 through the activation of mitogen-activated protein kinases (MAPKs), such as ERK (e.g., MAP2K4; MIM 601335) and JNK (see MIM 601158), and the subsequent creation of AP1 transcription factor (see MIM 165160). DUSP14 is a negative regulator of CD28 signaling.[supplied by OMIM]

**Other Designations** MKP-1 like protein tyrosine phosphatase|OTTHUMP00000164064|OTTHUMP00000164065

## Pathway

- [MAPK signaling pathway](#)