

## Product datasheet for **TP303408**

### CTDSP1 (NM\_182642) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 (CTDSP1), transcript variant 2, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC203408 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MDSSAVITQISKEEARGPLRGKGDQKSAASQKPRSRGILHSLFCCVCRDDGEALPAHSGAPLLVEENGAI  
PKQTPVQYLLPEAKAQDSKICVVIDLDELTVHSSFKPVNNADFIIPVEIDGVVHQVYVLRPHVDFLQ  
RMGELFECVLFTASLAKYADPVADLLDKWGAFRARLFRFESCVFHRGNVYKDL SRLGRDLRRVLILDNSPA  
SYVFHPDNAVPVASWFDNMSDELHDL LPPFEQLSRVDDVYSVLRQPRPGS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 28.9 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_872580](#)

**Locus ID:** 58190



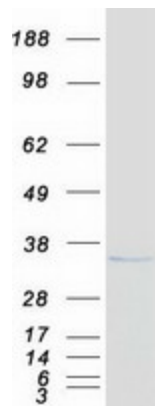
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UniProt ID: [Q9GZU7](#)  
RefSeq Size: 2652  
Cytogenetics: 2q35  
RefSeq ORF: 783  
Synonyms: NIF3; NLI-IF; NLIIF; SCP1

**Summary:** This gene encodes a member of the small C-terminal domain phosphatase (SCP) family of nuclear phosphatases. These proteins play a role in transcriptional regulation through specific dephosphorylation of phosphoserine 5 within tandem heptapeptide repeats of the C-terminal domain of RNA polymerase II. The encoded protein plays a role in neuronal gene silencing in non-neuronal cells, and may also inhibit osteoblast differentiation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]

**Protein Families:** Phosphatase

### Product images:



Coomassie blue staining of purified CTDSP1 protein (Cat# TP303408). The protein was produced from HEK293T cells transfected with CTDSP1 cDNA clone (Cat# [RC203408]) using MegaTran 2.0 (Cat# [TT210002]).