

Product datasheet for **TP312037M**

CTDSP1 (NM_021198) 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 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC212037 protein sequence
Red=Cloning site **Green**=Tags(s)

MDSSAVITQISKEEARGPLRGKGDQKSAASQKPRSRGILHSLFCCVCRDDGEALPAHSGAPLLVEENGAI
PKQTPVQYLLPEAKAQDSKICVVIDLDELTVHSSFKPVNNADFIIPVEIDGVVHQVYVLRPHVDFLQ
RMGELFECVLFTASLAKYADPVADLLDKWGAFRARLFRESCVFHRGNYVKDLSRLGRDLRRVLILDNSPA
SYVFHPDNAVPVASWFDNMSDELHDLPPFEQLSRVDDVYSVLRQPRPGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 29 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_067021](#)

Locus ID: 58190



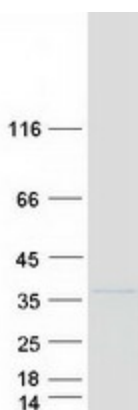
[View online »](#)

UniProt ID: [Q9GZU7](#)
RefSeq Size: 2655
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# [TP312037]). The protein was produced from HEK293T cells transfected with CTDSP1 cDNA clone (Cat# [RC212037]) using MegaTran 2.0 (Cat# [TT210002]).