Recombinant Human CTDSP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CTDSP1-5120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CTDSP1 MS Standard C13 and N15-labeled recombinant protein (NP_872580) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	29.2 kDa
AA Sequence	MDSSAVITQISKEEARGPLRGKGDQKSAASQKPRSRGILHSLFCCVCRDDGEALPA HSGAPLLVEENGAIPKQTPVQYLLPEAKAQDSDKICVVIDLDETLVHSSFKPVNNADF IIPVEIDGVVHQVYVLKRPHVDEFLQRMGELFECVLFTASLAKYADPVADLLDKWGAF RARLFRESCVFHRGNYVKDLSRLGRDLRRVLILDNSPASYVFHPDNAVPVASWFDN MSDTELHDLLPFFEQLSRVDDVYSVLRQPRPGSTRTRPLEQKLISEEDLAANDILDYK DDDDKV

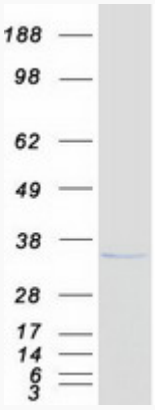
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CTDSP1 CTD small phosphatase 1 [Homo sapiens (human)]
Official Symbol	CTDSP1
Synonyms	CTDSP1; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1; carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1; NLIIF; nuclear LIM interactor interacting factor; SCP1; small CTD phosphatase 1; NLI-interacting factor 3; small C-terminal domain phosphatase 1; nuclear LIM interactor-interacting factor 3; NIF3; NLI-IF;
Gene ID	58190
mRNA Refseq	NM_182642
Protein Refseq	NP_872580
MIM	605323

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UniProt ID	Q9GZU7
SDS-PAGE	

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