

Recombinant Full Length Human CNP Protein, C-Flag-tagged

Cat. No. CNP-1747HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CNP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Predicted to enable 2',3'-cyclic-nucleotide 3'-phosphodiesterase activity. Involved in substantia nigra development. Located in several cellular components, including extracellular space; microtubule; and plasma membrane. Implicated in hypomyelinating leukodystrophy 20; multiple sclerosis; and schizophrenia. Biomarker of alcoholic liver cirrhosis; multiple sclerosis; and restless legs syndrome.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47.4 kDa
AA Sequence	MNRGFSRKSHTFLPKIFFRKMSSSGAKDKPELQFPFLQDEDTVATLLECKTLFILRGL PGSGKSTLARVI VDKYRDGTKMVSADAYKITPGARGAFSEEYKRLDEDLAAYCRRR DIRILVLDDTNHERERLEQLFEMADQ YQYQVVLVEPKTAWRLDCAQLKEKNQWQLS ADDLKKLKPGLKDFLPLYFGWFLTKKSSETLRKAGQVFL EELGNHKAFKKELRQF VPGDEPREKMDLVTYFGKRPPGVLHCTTKFCDYGKAPGAEEYAQQDVLKKSYSK A FTLTISALFVTPKTTGARVELSEQQLQLWPSDVKLSPTDNLPRGSRAHITLGCAADV EAVQTGLDLLE ILRQEKGGSRGEEVGELSRGKLYSLGNRWMLTLAKNMEVRAIFT GYYGKGKPVPTQGSRKGGALQSCTI

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ITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

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

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

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

Full Length Full L.

GENE INFORMATION

Gene Name [CNP 2',3'-cyclic nucleotide 3' phosphodiesterase \[Homo sapiens \(human\) \]](#)

Official Symbol [CNP](#)

Synonyms [CNP1](#); [HLD20](#)

Gene ID [1267](#)

mRNA Refseq [NM_033133.5](#)

Protein Refseq [NP_149124.3](#)

MIM [123830](#)

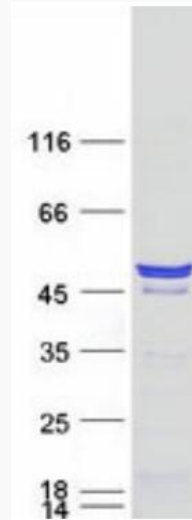
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UniProt ID

P09543



Coomassie blue staining of purified CNP protein.

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