

Recombinant Human CNTNAP5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CNTNAP5-4938H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CNTNAP5 MS Standard C13 and N15-labeled recombinant protein (NP_570129) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene product belongs to the neurexin family, members of which function in the vertebrate nervous system as cell adhesion molecules and receptors. This protein, like other neurexin proteins, contains epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C domain, discoidin/neuropilin- and fibrinogen-like domains, and thrombospondin N-terminal-like domains.
Molecular Mass	145.4 kDa
AA Sequence	MDSLPRLTSVLTLLFSGLWHLGLTATNYNCDDPLASLLSPMAFSSSSDLTGTHSPAQ LNWRVGTGGWSPADSNAQQWLQMDLGNRVEITAVATQGRYGSSDWVTSYSLMFS DTGRNWKQYKQEDSIWTFAGNMNADSVVHHKLLHSVRARFVRFPLEWNPSGKIG MRVEVYGCSYKSDVADFDGRSSLLYRFNQKLMSTLKDVISLKFKSMQGDGVLFHGE GQRGDHITLELQKGRALHLNLGDSKARLSSSLPSATLGSLDDQHWHSVLIERVGK QVNFTVDKHTQHFR TKGETDALDIDYELSFGGIPVPGKPGTFLKKNFHGCIENLYYN GVNIIDLAKRRKHQIYTGNVTFSCSEPQIVPITFVNSSGSYLLLPGTQIDGLSVSFQF RTWNKDGLLLSTELSEGSGTLLLSLEGGILRLVIQKMTERVAEILTGSNLNDGLWHSV

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SINARRNRITLTLDDEAAPPAPDSTWVQIYSGNSYYFGGCPDNLTD SQCLNPIKAFQ
 GCMRLIFIDNQPKDLISVQQGSLGNFSDLHIDLCSIKDRCLPNYCEHGGSCSQSWTT
 FYCNCSDTSYTGATCHNSIYEQSCVYRHQGN TAGFFYIDSDGSGPLGPLQVVCNIT
 EDKIWTSVQHNNTELTRVRGANPEKPYAMALDYGGSMEQLEAVIDGSEHCEQEVA
 YHCRRSRLNTPDGTPTWWIGRSNERHPYWGGSPPGVQQCECGLDESCLDIQHF
 CNCDAADKDEWNTDTGFLSFKDHLPTQIVITDTRSNSEAAWRIGPLRCYGDRRFW
 NAVSFYTEASYLHFPTFHA EFSADISFFFFKTTALSGVFLENLGIKDFIRLEISSPSEITFA
 IDVGNGPVVELVVQSPSLLNDNQWHYVRAERNLKETS LQVDNLPRSTRETSEEGRFR
 LQLNSQLFVGGTSSRQKGLG CIRS LHLNGQKMDLEERAKVTSGVRPGCPGHCSS
 YGSICHNGGKCKVEKHNGYLCDCTNSPYEGPFCKKEVS AVFEAGTSVTYMFQEPYP
 VTKNISLSSSAIYTD SAPSKENIALSFVTTQAPSLLLFINSSSQDFV VLLCKNGSLQV
 RYHLNKEETHVFTIDADNFANRRMHHLKINREGRELT IQMDQQLRLSYNFSPEVEFR
 VIRSLTLGKVTENLGLDSEVAKANAMGFAGCMSSVQYNHIAPLKAALRHATVAPVTV
 HGTLTSSCGFMVDSDVNAVTTVHSSSDPFGKTDEREPLT NAVRSDSAVIGGVIAVV
 IFIIFCIIGIMTRFLYQHKQSHRTSQMKEKEYPENLDSSFRNEIDLQNTVSECKREYFIS
 GPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

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

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Gene Name	CNTNAP5 contactin associated protein family member 5 [Homo sapiens (human)]
Official Symbol	CNTNAP5
Synonyms	CNTNAP5; contactin associated protein family member 5; caspr5; contactin-associated protein-like 5; cell recognition molecule Caspr5; contactin associated protein like 5
Gene ID	129684
mRNA Refseq	NM_130773
Protein Refseq	NP_570129
MIM	610519
UniProt ID	Q8WYK1
SDS-PAGE	