

Product datasheet for **TP313339M**

CTBP2 (NM_001083914) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human C-terminal binding protein 2 (CTBP2), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213339 representing NM_001083914 Red =Cloning site Green =Tags(s)

MALVDKHKVKRQRLDRICEGIRPQIMNGPLHPRPLVALLDGRDCTVEMPILKDLATVAFCDAAQSTQEIHE
KVLNEAVGAMMYHTITLTREDLEKFKALRVIVRIGSGYDNVDIKAAGELGIAVCNIPSAAVEETADSTIC
HILNLYRRNTWLYQALREGTRVQSVEQIREVASGAARIRGETLGLIGFGRTGQAVAVRAKAFGFSVIFYD
PYLQDGIERSLGVQRVYTLQDLLYQSDCVSLHCNLNEHNHHLINDFTIKQMRQGAFLVNAARGGLVDEKA
LAQALKEGRIRGAALDVHESEPFSAQGPLKDAPNLICTPHTAWYSEQASLEMREAAATEIRRAITGRIP
ESLRNCVNKEFFVTSAPWSVIDQQAHPPELNGATYRYPGIVGVAPGGPLAAMEGIIPGGIPVTHNLPTV
AHPSQAPSPNQPTKHGDNREHPNEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	48.8 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.



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RefSeq: [NP_001077383](#)

Locus ID: 1488

UniProt ID: [P56545](#)

RefSeq Size: 3441

Cytogenetics: 10q26.13

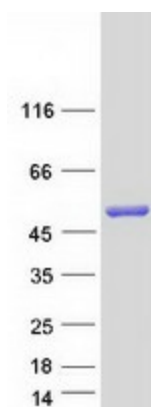
RefSeq ORF: 1335

Summary: This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the other isoform is a major component of specialized synapses known as synaptic ribbons. Both proteins contain a NAD⁺ binding domain similar to NAD⁺-dependent 2-hydroxyacid dehydrogenases. A portion of the 3' untranslated region was used to map this gene to chromosome 21q21.3; however, it was noted that similar loci elsewhere in the genome are likely. Blast analysis shows that this gene is present on chromosome 10. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]

Protein Families: Stem cell - Pluripotency, Stem cell relevant signaling - Wnt Signaling pathway

Protein Pathways: Chronic myeloid leukemia, Notch signaling pathway, Pathways in cancer, Wnt signaling pathway

Product images:



Coomassie blue staining of purified CTBP2 protein (Cat# [TP313339]). The protein was produced from HEK293T cells transfected with CTBP2 cDNA clone (Cat# [RC213339]) using MegaTran 2.0 (Cat# [TT210002]).