Recombinant Human PCBP4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PCBP4-5772H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PCBP4 MS Standard C13 and N15-labeled recombinant protein (NP_127501) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the KH-domain protein subfamily. Proteins of this subfamily, also referred to as alpha-CPs, bind to RNA with a specificity for C-rich pyrimidine regions. Alpha-CPs play important roles in post-transcriptional activities and have different cellular distributions. This gene is induced by the p53 tumor suppressor, and the encoded protein can suppress cell proliferation by inducing apoptosis and cell cycle arrest in G(2)-M. This gene's protein is found in the cytoplasm, yet it lacks the nuclear localization signals found in other subfamily members. Multiple alternatively spliced transcript variants have been described, but the full-length nature for only some has been determined.
Molecular Mass	41.5 kDa
AA Sequence	MSGSDGGLEEEPELSITLTLRMLMHGKEVGSIIGKKGETVKRIREQSSARITISEGSC PERITTITGSTAAVFHAVSMIAFKLDEDLCAAPANGGNVSRPPVTLRLVIPASQCGSLI GKAGTKIKEIRETTGAQVQVAGDLLPNSTERAVTVSGVPDAIILCVRQICAVILESPPK GATIPYHPSLSLGTVLLSANQGFSVQGQYGAVTPAEVTKLQQLSSHAVPFATPSVVP

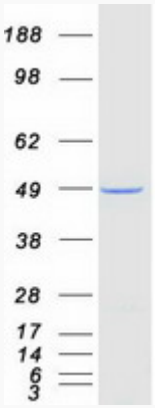
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	GLDPGTQTSSQEFLVPNDLIGCVIGRQGSKISEIRQMSGAHIKIGNQAEGAGERHVTI TGSPVSIALAQYLITACLETAKSTSGGTPSSAPADLPAPFSPPLTALPTAPPGLLGTPY AISLSNFIGLKPMPFLALPPASPGPPPGLAAYTAKMAAANGSKKAERQKFSPYTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and 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	PCBP4 poly(rC) binding protein 4 [Homo sapiens (human)]
Official Symbol	PCBP4
Synonyms	PCBP4; poly(rC) binding protein 4; poly(rC)-binding protein 4; alphaCP 4 protein; LIP4; LYST interacting protein; MCG10; RNA binding protein MCG10; alpha-CP4; LYST-interacting protein; CBP;
Gene ID	57060
mRNA Refseq	NM_033008
Protein Refseq	NP_127501

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MIM	608503
UniProt ID	P57723
SDS-PAGE	

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