Recombinant Full Length Human PCBP4 Protein, C-Flag-tagged

Cat. No. PCBP4-2001HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PCBP4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.3 kDa
AA Sequence	MSGSDGGLEEEPELSITLTLRMLMHGKEVGSIIGKKGETVKRIREQSSARITISEGSC PERITTITGSTA AVFHAVSMIAFKLDEDLCAAPANGGNVSRPPVTLRLVIPASQCGSLI GKAGTKIKEIRETTGAQVQVAGD LLPNSTERAVTVSGVPDAIILCVRQICAVILESPPK

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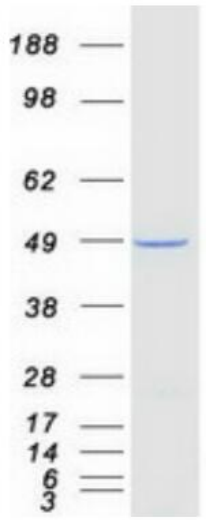
	GATIPYHPSLSLGTVLLSANQGFSVQGQYGAVTP AEVTKLQQLSSHAVPFATPSVV PGLDPGTQTSSQEFLVPNDLIGCVIGRQGSKISEIRQMSGAHIKIGNQ AEGAGERHV TITGSPVSIALAQYLITACLETAKSTSGGTPSSAPADLPAPFSPPLTALPTAPPGLLGT PY AISLSNFIGLKPMPFLALPPASPGPPPGLAAYTAKMAAANGSKKAERQKFSPY T RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE 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	PCBP4 poly(rC) binding protein 4 [Homo sapiens (human)]
Official Symbol	PCBP4
Synonyms	CBP; LIP4; MCG10
Gene ID	57060
mRNA Refseq	NM_033008.3

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Protein Refseq	NP_127501.1
MIM	608503
UniProt ID	P57723



Coomassie blue staining of purified PCBP4 protein.

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