

Recombinant Human C4BPA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. C4BPA-4133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C4BPA MS Standard C13 and N15-labeled recombinant protein (NP_000706) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. Along with a single, unique beta-chain, seven identical alpha-chains encoded by this gene assemble into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Two pseudogenes of this gene are also found in the cluster.
Molecular Mass	67 kDa
AA Sequence	MHPPKTPSGALHRKRKMAAWPFSRLWKVSDPILFQMTLIAALLPAVLGNCGPPTLS FAAPMDITLTETRFKTGTTLKYTCPLGYVRSHSTQTLTNSDGEWVYNTFCIYKRCR HPGELRNGQVEIKTDLSEFGSQIEFSCSEGGFLIGSTTSRCEVQDRGVGWSHPLPQC EIVKCKPPDIRNGRHSGEENFYAYGFSVTYSCDPRFSLLGHASISCTVENETIGVW RPSPTCEKITCRKPDVSHGEMVSGFGPIYNYKDTIVFKCQKGFVLRGSSVIHCDAD

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SKWNPSPPACEPNSCINLPDIPHASWETYP RPTKEDVYVVGTVLRYRCHPGYKPTT
 DEPTTVICQKNLRWTPYQGCEALCCPEPKLNNGEITQHRKSRPANHCVFYFGDEISF
 SCHETSRFSAICQGDGTWSPRTPSCGDICNFPPKIAHGHIYKQSSSYFFKEEIIYEC
 DKG YILVGQAKLSCSYSHWSAPAPQCKALCRKPELVNGRLSVDKDQYVEPENVTIQ
 CDSGYGVVGPQSITCSGNRTWYPEVPKCEWETPEGCEQVLTGKRLMQCLPNPED
 VKMALEVYKLSLEIEQLELQRDSARQSTLDKELTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

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 C4BPA complement component 4 binding protein alpha [Homo sapiens (human)]

Official Symbol C4BPA

Synonyms C4BPA; complement component 4 binding protein, alpha; C4BP, complement component 4 binding protein, alpha; C4b-binding protein alpha chain; proline-rich protein; PRP; C4BP;

Gene ID 722

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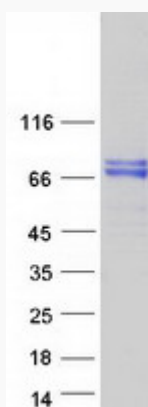
mRNA Refseq NM_000715

Protein Refseq NP_000706

MIM 120830

UniProt ID P04003

SDS-PAGE



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