

Recombinant Full Length Human C8B Protein, C-Flag-tagged

Cat. No. C8B-1903HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human C8B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes one of the three subunits of the complement component 8 (C8) protein. C8 is composed of equimolar amounts of alpha, beta and gamma subunits, which are encoded by three separate genes. C8 is one component of the membrane attack complex, which mediates cell lysis, and it initiates membrane penetration of the complex. This protein mediates the interaction of C8 with the C5b-7 membrane attack complex precursor. In humans deficiency of this protein is associated with increased risk of meningococcal infections. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	63.4 kDa
AA Sequence	MKNSRTWAWRAPVELFLLCAALGCLSLPGSRGERPHSFGSNAVNKSFASKSRQMRS VDVTLMPIDCELSSW SSWTTCDPCQKKRYRYAYLLQPSQFHGEP CNFSDKEVEDC VTNRPCRSQVRCEGFVCAQTGRCVNRLLC NGDNDCGDQSD EANCRR IYKKCQH EMDQYWGIGSLASGINLFTNSFEGPVL DHRYYAGGCS PHYILNTRF RKPYNVESYT PQTQGKYEFILKEYESYSD FERNVTEK MASKSGFSFGFKIPGIFELGISSQSDRGKHY

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IR RTKRFSHTKSVFLHARSDLEVAHYKLKPRSLMLHYEFLQRVKRLPLEYSYGEYRD
LFRDFGTHYITEAVL GGIYEYTLVMNKEAMERGDYTLNNVHACAKNDFKIGGAIEEV
YVSLGVSVGKCRGILNEIKDRNKRDTMV EDLVVLVRGGASEHITTLAYQELPTADLM
QEWGDAVQYNPAIIKVVEPLYELVTATDFAYSSTVRQNMK QALEEFQKEVSSCHC
APCQGNQVPVLKGSRCDCICPVGSQGLACEVSYRKNTPIDGKWNCWSNWSSCSG
R RKTRQRQCNNPPPQNGGSPCSGPASETLDSCS TRTRPLEQKLISEEDLAANDILD
YKDDDDKV

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.
Protein Families	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus
Full Length	Full L.

GENE INFORMATION

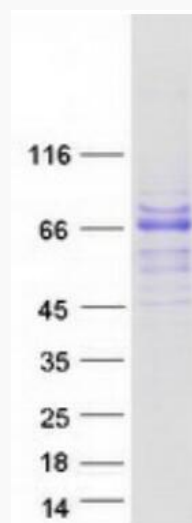
Gene Name C8B complement C8 beta chain [Homo sapiens (human)]

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Official Symbol	C8B
Synonyms	C82
Gene ID	732
mRNA Refseq	NM_000066.4
Protein Refseq	NP_000057.3
MIM	120960
UniProt ID	P07358



Coomassie blue staining of purified C8B protein.

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