

Product datasheet for PH319942

Complement factor 8 beta (C8B) (NM_000066) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C8B MS Standard C13 and N15-labeled recombinant protein (NP_000057)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219942
Predicted MW:	67 kDa
Protein Sequence:	>RC219942 protein sequence Red=Cloning site Green=Tags(s)

MKNSRTWAWRAPVELFLLCAALGCLSLPGSRGERPHSFGSNAVNKSFAKSRQMRSVDVTLMPIDCELSW
SSWTTCDPCQKKRYRYAYLLQPSQFHGEP CNFSDKEVEDCVTNRPCRSQVRCEGFVCAQTGRCVNRLLC
NGDNDCGDQSDEANCRRIYKCKQHMDQYWGIGSLASGINLFTNSFEGPVLDRHYAGGCSPHYILNTRF
RKPYNVESYTPQTQGKYEFILKEYESYDFERNVTEKMASKSGFSFGFKIPGIFELGISSQSDRGKH YIR
RTKRF SHTKSVFLHARSDLEVAHYK LKPRSLMLHYEFLQRVKRLPLEYSYGEYRDLFRDFGTHYITEAVL
GGIYEYTLVMNKEAMERGDYTLNNVHACAKNDFKIGGAIEEVYVSLGVSVGKCRGILNEIKDRNKRD TMV
EDLVVLVRGGASEHITTLAYQELPTADLMQEWGDAVQYNPAIIKVKVEPLYELVTATDFAYSSTVRQNMK
QALEEFQKEVSSCHCAPCQNGVPVLKGSRCDCICPVGSQGLACEVSYRKNTPIDGKWNCWSNWSSCSGR
RKTRQRQCNNPPPQNGGSPCSPASETLDCS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000057
RefSeq Size:	2178
RefSeq ORF:	1773



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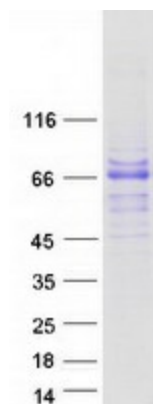
Synonyms: C82
Locus ID: 732
UniProt ID: [P07358](#)
Cytogenetics: 1p32.2

Summary: 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. [provided by RefSeq, Jun 2013]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus

Product images:



Coomassie blue staining of purified C8B protein (Cat# [TP319942]). The protein was produced from HEK293T cells transfected with C8B cDNA clone (Cat# [RC219942]) using MegaTran 2.0 (Cat# [TT210002]).