

Full-Length

C7 (Human) Recombinant Protein (P01)

Catalog # H00000730-P01

Size 50 ug

Specification

Product Description

Human C7 full-length ORF (BAG35608.1, 1 a.a. - 843 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKVISLFI LVGFIGEFQSFSSASSPVNCQWDFYAPWSECNGCTKTQTRRRSVAVYGQYGGQPCV
GNAFETQSCEPTRGCPTEEGCGERFRCFSGQCISKSLVCNGSDCDEDSADEDRCEDSERRP
SCDIDKPPPNIELTGNGYNELTGQFRNRVINTKSFGGQCRKVFSGDGKDFYRLSGNVLSYTFQVKI
NNDFNIEFYNSTWSYVKHTSTEHTSSSRKRSFFRSSSSSSRSYTSHTNEIHKGKSYQLLVVENTV
EVAQFINNNPEFLQLAEPFWKELSHLPSLYDYSAYRRLIDQYGTHYLQSGSLGGEYRVLFYVDSEK
LKQNDFNSLEEKCKSSGWHFVVKFSSHGCKELENALKAASGTQNNVLRGEPFIRGGGAGFISG
LTYLELDNPAGNKRRYSAWAESVTNLPQVIKQKLTPLYELVKEVPCASVKKLYLKWALEEYLDEF
DPCHCRPCQNGGLATVEGTHCLCHCKPYTFGAACEQGVLVGNQAGGVDGGWSCWSSWSPCV
QGKTRSRCCNNPPPSGGGRSCVGETTESTQCEDEELEHLRLLEPHCFPLSLVPTFCPSPPAL
KDGfVQDEGTMFPVGKNVVYTCNEGYSIGNPVARCGEDLRWLVGEMHCQKIACVLPVLMGDIQ
SHPQKPFYTVGEKVTVSCSGGMSLEGPSAFLCGSSLKWSPKMNARCVQKENPLTQAVPKCQ
RWEKLQNSRCVCKMPYECGPSLDVCAQDERSKRILPLTVCKMHVLHCQGRNYTLTGRDSC TLP
ASAEKACGACPLWGKCD AESSKVCVCREASECEEEGF SICVEVNGKEQTMSECEAGALRCRGQ
SISVTSIRPCAAETQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

119.9

Interspecies Antigen Sequence

Mouse (74)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — C7

Entrez GeneID	730
GeneBank Accession#	AK312737.1
Protein Accession#	BAG35608.1
Gene Name	C7
Gene Alias	-
Gene Description	complement component 7
Omim ID	217070 610102
Gene Ontology	Hyperlink
Gene Summary	C7 is a component of the complement system. It participates in the formation of Membrane Attack Complex (MAC). People with C7 deficiency are prone to bacterial infection. [provided by RefSeq]
Other Designations	complement component C7

Pathway

- [Complement and coagulation cascades](#)
- [Prion diseases](#)
- [Systemic lupus erythematosus](#)

Disease

- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)