

Recombinant Human C6 protein, His/T7-tagged

Cat. No. C6-10552H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human C6(Gln682~Ala934) fused with His/T7 tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln682~Ala934
Description	This gene encodes a component of the complement cascade. The encoded protein is part of the membrane attack complex that can be incorporated into the cell membrane and cause cell lysis. Mutations in this gene are associated with complement component-6 deficiency. Transcript variants encoding the same protein have been described.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	31.9kDa
AA Sequence	MGSSHHHHHH SSSLVPRGSH MASMTGGQQM GRGS- QYFRCLPDG TWRQGDVECQ RTECIKPVVQ EVLTITPFQR LYRIGESIEL TCPKGFVAG PSRYTCQGNS WTPPISNSLT CEKDTLTKLK GHCQLGQKQS GSECICMSPE EDCSHHSEDL CVFDTDSNDY FTSPACKFLA EKCLNNQQLH FLHIGSCQDG RQLEWGLERT RLSSNSTKKE SCGYDTCYDW EKCSASTSKC VCLLPPQCFK GGNQLYCVKM GSSTSEKTLN ICEVGTIRCA NRKMEILHPG KCLA

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Endotoxin	<1.0eu per="" 1g="" (determined="" by="" the="" lal="">
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	C6 complement component 6 [Homo sapiens]
Official Symbol	C6
Synonyms	C6; complement component 6; complement component C6;
Gene ID	729
mRNA Refseq	NM_000065
Protein Refseq	NP_000056
MIM	217050
UniProt ID	P13671
Chromosome Location	5p13

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Pathway

Complement Activation, Classical Pathway, organism-specific biosystem;
Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

Function

protein binding;

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