



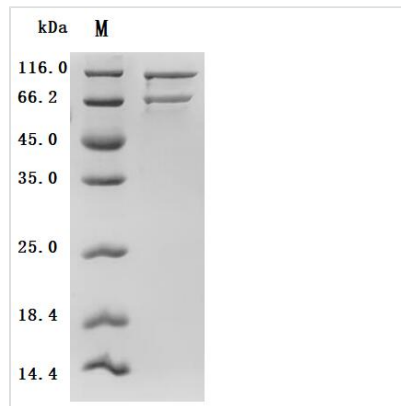
Recombinant Human Complement C5 (C5) (Active)

Product Code	CSB-MP003995HU(A4)
Abbreviation	Recombinant Human C5 protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P01031
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized Human C5 at 2 µg/mL can bind Anti-C5 recombinant antibody (CSB-RA003995MA1HU). The EC50 is 1.867-2.192 ng/mL.</p> <p>② C5 Recombinant Monoclonal Antibody (CSB-RA003995MA1HU) captured on Protein A Chip can bind Human C5 with an affinity constant of 0.285 nM as detected by MetaSPR Assay (WeSPR™ 200).</p>
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	<p>QEQTYSAPKIFRVGASENIVIQVYGYTEAFDATISIKSYDPDKKFSYSSGHVHLS SENKFNQNSAILTIQPKQLPGGQNPVSYVYLEVVSKHFSKSRMPITYDNGFLFI HTDKPVYTPDQSVKVRVYSLNDDLKPAKRETVLTFIDPEGSEVDMVEEIDHIGII SFPDFKIPSNPRYGMWTIKAKYKEDFSTTGTAIFEVKEYVLPHFVSIEPEYNI GYKNFKNFEITIKARYFYNKVVTEADVITFGIREDLKDDQKEMMQTAMQNTML INGIAQVTFDSETAVKELSYYSLEDLNNKYLYIAVTVIESTGGFSEEAEIPGIKYV LSPYKLNLVATPLFLKPGIPYPIKVQVKDSLQDLVGGVPVTLNAQTIDVNQETSD LDPSKSVTRVDDGVASFVNLNPSGVTVLEFNVKTDAPDLPEENQAREGYRAIA YSSLSQSYLYIDWTDNHKALLVGEHLNIIVTPKSPYIDKITHYNYLILSKGKIIHFG TREKFSASYQSINIPVTQNMVPSRLLVYYIVTGEQTAELVSDSVWLNIEEK GNQLQVHLSPADADAYSPGQTVSLNMATGMDSWVALAAVDSAVYGVQRGAKK PLERVFQFLEKSDLGCGAGGGLNANVFLHLAGLTLNANADDSQENDEPCK EILRPRRTLQKIEEIAAKYKHSVVKCCYDGACVNNDETCEQRAARISLGP IKAFTECCVVASQLRANISHKDMQLGRLHMKTLTPVSKPEIRSYFPESWLWEV HLVPRRKQLQFALPDSLTTWEIQGVGISNTGICVADTVKAKVFKDVFLMNIPIY SVVRGEQIQLKGTVYNYRTSGMQFCVKMSAVEGICTSESPVIDHQGTKSSKCV RQKVEGSSSHLVFTVLPLEIGLHNINFSLETWFGKEILVKTLRVVPEGVKRESY SGVTLDPRIYGTISRREKFPYRIPLDLVPKTEIKRILSVKGLLVGEILSAVLSQE GINILTHLPKGSAAEELMSVVPVFYVFHYLETGNHWNIFHSDPLIEKQKLLKLLK EGMLSIMSRYNADYSYSVWKGGSASTWLTAFALRVLGQVNKYVEQNQNSICN SLLWLVENYQLDNGSFKENSQYQPIKLQGTLPVEARENSLYLTAFTVIGIRKAF</p>

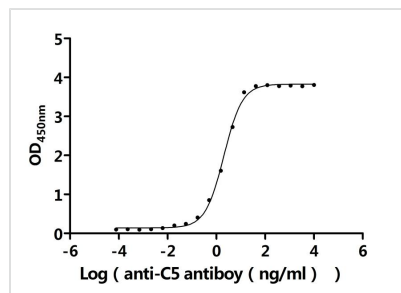


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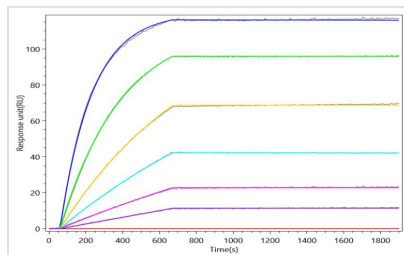
Source	Mammalian cell
Target Names	C5
Expression Region	19-1676aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	188.0 kDa
Protein Length	Full Length of Mature Protein

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
 Measured by its binding ability in a functional ELISA. Immobilized Human C5 at 2 µg/ml can bind Anti-C5 recombinant antibody (CSB-RA003995MA1HU). The EC₅₀ is 1.867-2.192 ng/mL.



Activity
 C5 Recombinant Monoclonal Antibody (CSB-RA003995MA1HU) captured on Protein A Chip can bind Human C5 with an affinity constant of 0.285 nM as detected by MetaSPR Assay (WeSPRTM 200).

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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