

Active Recombinant Human C2 protein, His-tagged

Cat. No. C2-1032H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human C2 protein(Ala 21 - Leu 752), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	21-752 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, N-carbobenzyloxy-Gly-Arg-ThioBenzyl ester (Z-GR-SBzl), in the presence of 5,5'Dithio-bis (2-nitrobenzoic acid) (DTNB).The specific activity is >100 pmol/min/g.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 83.0 kDa. The protein migrates as 95-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ala21-Leu752
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name C2 complement component 2 [Homo sapiens]

Official Symbol C2

Synonyms C2; complement component 2; complement C2; C3/C5 convertase; complement component C2; CO2; DKFZp779M0311;

Gene ID 717

mRNA Refseq NM_000063

Protein Refseq NP_000054

MIM 613927

UniProt ID P06681

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