

Active Recombinant Human C1R, His-tagged

Cat. No. C1R-718H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human C1R (Accession # NP_001724) Met1-Asp705, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	1-705 a.a.
Predicted N Terminal	Ser18 (A chain) & Ile464 (B chain)
Form	Lyophilized from a 0.2 µ filtered solution in Tris and NaCl.
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). Edwards, K.M. et al. (1999) J. Biol. Chem. 274:30468. The specific activity is >1,500 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human C1R, His-tagged has a calculated MW of 51 kDa (A chain) & 28 kDa (B chain). In SDS-PAGE migrates as 60 kDa & 40 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION

Gene Name	C1R complement component 1, r subcomponent [Homo sapiens]
Official Symbol	C1R
Synonyms	C1R; complement component 1, r subcomponent; complement C1r subcomponent;
Gene ID	715
mRNA Refseq	NM_001733
Protein Refseq	NP_001724
MIM	613785
UniProt ID	P00736
Chromosome Location	12p13.31

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