

# Recombinant Human C1R

**Cat. No.** C1R-26129TH    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                   |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant full length Human C1r with N terminal proprietary tag; Predicted MW 103.62 kDa.                                                                                                                                                                                                                       |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>                   | Wheat Germ                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>            | 705 amino acids                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Weight</b>         | 103.620kDa inclusive of tags                                                                                                                                                                                                                                                                                      |
| <b>Form</b>                     | Liquid                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>                   | Proprietary Purification                                                                                                                                                                                                                                                                                          |
| <b>Storage buffer</b>           | pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl                                                                                                                                                                                                                                                             |
| <b>Storage</b>                  | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                                                                                                         |
| <b>Sequences of amino acids</b> | MWLLYLLVPALFCRAGGSIPIPKLFG EVT SPLFPKPYPN NFETTTVITVPTGYRVKL<br>VFQQFDLEPSEGC FYDYVKISA DKKSLGRFCGQLGSPLGNPPGKKEFMSQGNKML<br>LTFHTDF SNEENGTIMFYKGFLAYYQAVDLDECASRSKLGEEDPQPQ CQHLCHNY<br>VGGYFCSCRPGYELQEDRHSCQAECSS ELYTE ASGYISSLEYPRSYPPDLRCNYSI<br>RVERGLTLHLKFLEPF DIDDHQQVHCPYDQLQIYANGKNIGEFCGKQRPPDLDTSS |

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NAVDLLFFTDESGDSRGWKLRYTTEIIKCPQPKTLDEFTI IQNLQPQYQFRDYFIATC  
KQGYQLIEGNQVLHSFTAVCQD DGTWHRAMPRCKIKDCGQPRNLPNGDFRYTTT  
MGVNTYKA RIQYYCHEPYKMQTRAGSRESEQGVYTCTAQGIWKNEQK GEKIPR  
CLPVCCKPVPNPVEQRQRIIGGQKAKMGNFPWQVF TNIHGRGGGALLGDRWILTAA  
HTLYPKEHEAQSNASLDVF LGHTNVEELMKLGNHPIRRVSVHPDYRQDESYNFEG  
DIAL LELENSVTLGPNLLPICLPDNDTFYDLGLMGYVSGFGVME EKIAHDLRFVRLP  
VANPQACENWLRGKNRMDVFSQNMFCA GHPSLKQDACQGDSGGVFAVRDPNTD  
RWWATGIVSWGIGC SRGYGFYTKVLNYVDWIKKEMEEED

**Sequence** Belongs to the peptidase S1 family.Contains 2 CUB domains.Contains 1 EGF-like  
**Similarities** domain.Contains 1 peptidase S1 domain.Contains 2 Sushi (CCP/SCR) domains.

## GENE INFORMATION

|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| <b>Gene Name</b>       | C1R complement component 1, r subcomponent [ Homo sapiens ]               |
| <b>Official Symbol</b> | C1R                                                                       |
| <b>Synonyms</b>        | C1R; complement component 1, r subcomponent; complement C1r subcomponent; |
| <b>Gene ID</b>         | 715                                                                       |
| <b>mRNA Refseq</b>     | NM_001733                                                                 |
| <b>Protein Refseq</b>  | NP_001724                                                                 |
| <b>MIM</b>             | 613785                                                                    |
| <b>Uniprot ID</b>      | P00736                                                                    |
| <b>Chromosome</b>      | 12p13                                                                     |

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| Location |                                                                                                                                                                                                                                                                                                                                                      |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pathway  | Classical antibody-mediated complement activation, organism-specific biosystem; 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; |
| Function | calcium ion binding; peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;                                                                                                                                                                                                                                         |

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