

Recombinant Full Length Human C1R Protein

Cat. No. C1R-41HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human C1r with N terminal proprietary tag; Predicted MW 103.62 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	705 amino acids
Description	This gene encodes a member of the peptidase S1 protein family. The encoded protein is a proteolytic subunit in the complement system C1 complex. The complement system acts as a mediator in the innate immune response by ultimately triggering phagocytosis, inflammation, and rupturing the bacterial cell wall. Mutations in this gene are associated with Ehlers-Danlos Syndrome.
Form	Liquid
Molecular Mass	103.620kDa inclusive of tags
AA Sequence	MWLLYLLVPA LFCRAGGSIP IPQKLFGEVT SPLFPKPYPN NFETTTVITV PTGYRVKLVF QQFDLEPSEG CFYDYVKISA DKKSLGRFCG QLGSP LGNPP GKKEFMSQGN KMLLTFHTDF SNEENGTIMF YKGFLAYYQA VDLDECASRS KLGEEDPQPQ CQHLCHNYVG GYFCSCRPGY ELQEDRHSCQ AECSSSELYTE ASGYISSLEY PRSYPPDLRC NYSIRVERGL TLHLKFLEPF DIDDHQQVHC PYDQLQIYAN GKNIGEF CGK QRPPDLDTSS NAVDLLFFTD ESGDSRGWKL

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RYTTEIHKCP QPKTLDEFTI IQNLQPQYQF RDYFIATCKQ GYQLIEGNQV
 LHSFTAVCQD DGTWHRAMPR CKIKDCGQPR NLPNGDFRYT TTMGVNTYKA
 RIQYYCHEPY YKMQTRAGSR ESEQGVYTCT AQGIWKNEQK GEKIPRCLPV
 CGKPVNPVEQ RQRIIGGQKA KMGNFPWQVF TNIHGRGGGA LLGDRWILTA
 AHTLYPKEHE AQSNASLDVF LGHTNVEELM KLGNHPIRRV SVHPDYRQDE
 SYNFECDIAL LELENSVTLG PNLLPICLPD NDTFYDLGLM GYVSGFGVME
 EKIAHDLRFV RLPVANPQAC ENWLRGKNRM DVFSQNMFCA GHPSLKQDAC
 QGDSGGVFAV RDPNTDRWVA TGIVSWGIGC SRGYGFYTKV LNYVDWIKKE
 MEEED

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.3% Glutathione, 0.79% Tris HCl.

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](#)

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