

Recombinant Full Length Rat complement C1s Protein, His&Myc tagged

Cat. No. C1s-20RFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat complement C1s Protein with N-10×His and C-Myc tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	16-688 aa
Description	Predicted to enable identical protein binding activity and serine-type endopeptidase activity. Involved in glial cell differentiation and response to cAMP. Located in extracellular region. Human ortholog(s) of this gene implicated in Ehlers-Danlos syndrome periodontal type 2. Orthologous to human C1S (complement C1s).
Tag	N-10×His and C-Myc
Molecular Mass	78 kDa
AA Sequence	MHHHHHHHHHHEPTMYGEILSPNYPQAYPNEVVKTWDIEVPEGFGIHLFYTHLDME LSENCAYDSVQIISGGIEEERLCGQRTSKSPNSPTVEEFQFPYNRLQVVFTSDFSNE ERFTGFAAYYSAVDVNECTDFTDVPCSHFCNNFIGGYFCSCPPEYFLHDDMRTCGV NCSGDVFTALIGEIASPNYPNPYPENSRCYQIRLQEGFRLVLTIRREDFDVEPADSE GNCHDSLTFAAKNQQFGPYCGNGFPGPLTIKTQSNLTDIVFQDTLTGQNKGWKLRY HGDPIPCPKEISANSIWEPEKAKYVFKDVVKITCVDGFEVVEGNVGSTSFYSTCQSN

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GQWSNSRLECQPVDCGVPEPIENGKVEDPEDTVFGSVIHYTCEEPPYYMEQEEGG
 EYHCAANGSWVNDQLGVLPKCIPVCGVPTEPFKVQQRIFGGYSTKIQSFPWQVYF
 ESPRGGGALIDEYWVLTAHVVEGNSDPVMYVGSTLLKIERLRNAQRLITERVIIHPS
 WKQEDDLNTRTNFDNDIALVQLKDPVKMGPTVAPICLPETSSDYNPSEGLGLISGW
 GRTENRTNVIQLRGAKLPITSLEKCQQVKVENPKARSNDYVFTDNMICAGEKGVDS
 EGDSSGAFALPVPNVKDPKFYVAGLVSWGKKCGTYGIYTKVKNYVDWILKTMQENS
 GPKKDEQKLISEEDL

Endotoxin < 1 EU/μg by LAL

Purity > 85% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4

Concentration 0.43 mg/mL by Bradford

GENE INFORMATION

Gene Name C1s complement C1s [*Rattus norvegicus* (Norway rat)]

Official Symbol C1s

Synonyms C1s; complement C1s; complement C1s subcomponent; C1 esterase; complement component 1 subcomponent s; r-gsp;

Gene ID 192262

mRNA Refseq NM_138900

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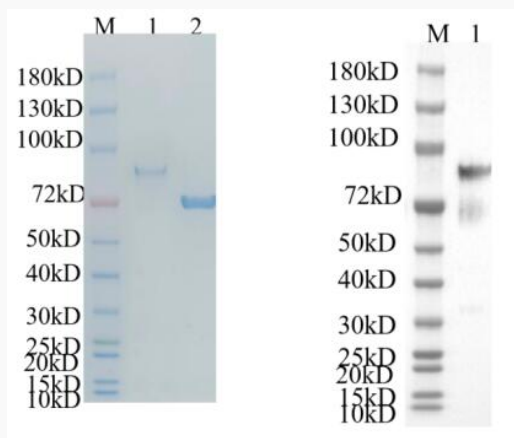
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Protein Refseq NP_620255

UniProt ID G3V7L3

Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
C1s.



1. CTP
2. BSA

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