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	MHHHHHHHHHHEPTMYGEILSPNYPQAYPNEVVKTWDIEVPEGFGIHLYFTHLDME LSENCAYDSVQIISGGIEEERLCGQRTSKSPNSPTVEEFQFPYNRLQVVFTSDFSNE ERFTGFAAYYSAVDVNECTDFTDVPCSHFCNNFIGGYFCSCPPEYFLHDDMRTCGV NCSGDVFTALIGEIASPNYPNPYPENSRCEYQIRLQEGFRLVLTIRREDFDVEPADSE GNCHDSLTFAAKNQQFGPYCGNGFPGPLTIKTQSNTLDIVFQTDLTGQNKGWKLRY HGDPIPCPKEISANSIWEPEKAKYVFKDVVKITCVDGFEVVEGNVGSTSFYSTCQSN

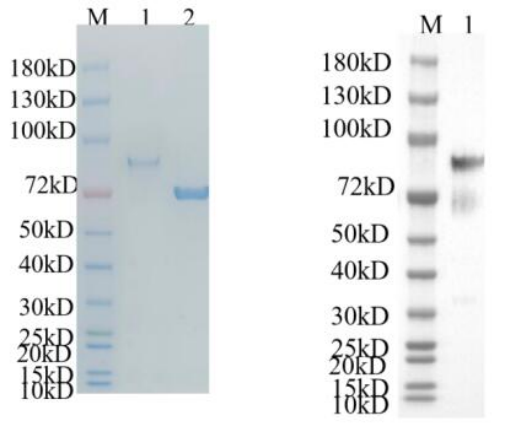
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	GQWSNSRLECQPVDCGVPEPIENGKVEDPEDTVFGSVIHYTCEEPYYYMEQEEGG EYHCAANGSWVNDQLGVELPKCIPVCGVPTEPFKVQQRIFGGYSTKIQSFPWQVYF ESPRGGGALIDEYWVLTAAHVVEGNSDPVMYVGSTLLKIERLRNAQRLITERVIIHPS WKQEDDLNTRTNFDNDIALVQLKDPVKMGPTVAPICLPETSSDYNPSEGDLGLISGW GRTENRTNVIQLRGAKLPITSLEKCQQVKVENPKARSNDYVFTDNMICAGEKGVDSC EGDSGGAFALPVPNVKDPKFYVAGLVSWGKKCGTYGIYTKVKNYVDWILKTMQENS 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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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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