CD55 (Human) Recombinant Protein

Catalog # P9092 Size 2 x 10 ug

Specification

Product Description	Human CD55 (P08174, 35 a.a. - 353 a.a.) partial-length recombinant protein with His tag at C-Terminus expressed in *Baculovirus*.
Sequence	ADPDCGLPPDVPNAQPALEGRTSFPEDTVITYKCEESFVKIPGEKDSVICLKGSQWSDIEEFCNRSCEVPTRLNSASLKQPYITQNYFPVGTVVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKKKSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLPECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPPECRGKSLTSKVPPTVQKPTTVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKHFHETTPNKGSGTTSHHHHHH.
Host	Nicotiana benthamiana
Theoretical MW (kDa)	36
Form	Liquid
Preparation Method	*Baculovirus* expression system
Purity	> 95% by SDS-PAGE.
Storage Buffer	PBS (pH7.4) and 10% glycerol.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — CD55

Entrez GeneID	1604
Protein Accession#	P08174

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Gene Name	CD55
Gene Alias	CR, CROM, DAF, TC
Gene Description	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
Omim ID	125240
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein involved in the regulation of the complement cascade. The encoded glycoprotein is also known as the decay-accelerating factor (DAF); binding of DAF to complemen t proteins accelerates their decay, disrupting the cascade and preventing damage to host cells. A ntigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM). Two alternatively spliced transcripts encoding different proteins have been identified. The predominant transcript encodes a membrane-bound protein expressed on cells exposed to plasma component proteins but an alternatively spliced transcript produces a soluble protein present at much lower le vels. Additional, alternatively spliced transcript variants have been described, but their biological v alidity has not been determined. [provided by RefSeq
Other Designations	CD55 antigen|decay accelerating factor for complement

Pathway

- Complement and coagulation cascades
- Hematopoietic cell lineage

Disease

- Asthma
- Birth Weight
- Chorioamnionitis
- Down Syndrome
- Fetal Membranes
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Leukemia

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- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth
- Rhinitis

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