

C8G recombinant protein

C8G, 21-202aa, Human, His tag, E Coli

CATALOG # AAA48704	HOST E Coli	APPLICATIONS SDS-Page
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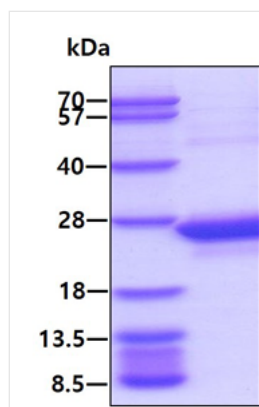
PRODUCT SYNONYMS

C8G; 21-202aa; Human; His tag; E Coli; complement component 8 gamma polypeptide; complement component 8; gamma polypeptide; C8C; C8G recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.15M NaCl.
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MQKPQRPRRP ASPISTIQPK ANFDAQQFAG TWLLVAVGSA CRFLQEQGHR AEATTLHVAP QGTAMAVSTF RKLDGICWQV RQLYGDTGVL GRFLQARGA RGAVHVVVAE TDYQSFAVLY LERAGQLSVK LYARSLPVSD SVLSGFEQRV QEHLTEDQI FYFPKYGFCE AADQFHVLDE VRR
Sequence Length	202
Applicable Applications for C8G recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	21-202aa
Preparation and Storage	Can be stored at 2 to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for C8G recombinant protein	C8gamma, also known as C8G, is one of three polypeptides (along with C8 alpha and C8 beta) that constitutes C8, a component of the complement system. C8 participates in the formation of Membrane Attack Complex (MAC). Patients with deficiency in C8 are vulnerable to certain bacteria infection. C8gamma is a secreted protein that is able to bind retinol and belongs to the lipocalin family and calycin superfamily. It is synthesised in the liver, monocytes and fibroblast and functions to clear pathogens from an infected host. Recombinant human C8G protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for C8G recombinant protein	Immunology
References	Chiswell B., et al. (2007) Biochim Biophys Acta. 1774 (5):637-44.; Schreck SF., et al. (2000) Biochim Biophys Acta. 1482 (1-2):199-208.

NCBI AND UNIPROT INFORMATION

NCBI GI #	109731343
NCBI GeneID	733
Molecular Weight	22.6 kDa (203aa), confirmed by MALDI-TOF
NCBI Official Full Name	Complement component 8, gamma polypeptide
NCBI Official Synonym Full Names	complement C8 gamma chain
NCBI Official Symbol	C8G
NCBI Official Synonym Symbols	C8C
NCBI Protein Information	complement component C8 gamma chain
UniProt Protein Name	Complement component C8 gamma chain
UniProt Gene Name	C8G

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/c8g-recombinant-protein-e-coli-sds-page/48704>