

Recombinant Human Complement Component 8, Gamma Polypeptide, His-tagged

Cat. No. C8G-6880H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human C8G protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 22.6 kDa.
Species	Human
Source	E.coli
ProteinLength	21-202aa
Description	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. 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.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.15M NaCl.
Molecular Mass	22.6 kDa (203aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SGLVPRGSH MQKPQRPRRP ASPISTIQPK ANFDAQQFAG TWLLVAVGSA CRFLQEQGHR AEATTLHVAP QGTAMAVSTF RKLDGICWQV RQLYGDTGVL GRFLQARGA RGAVHVVVAE TDYQSFAVLY LERAGQLSVK LYARSLPVSD SVLSGFQQRV QEHLTEDQI FYFPKYGFCE AADQFHVLDE VRR

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Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford)
GENE INFORMATION	
Gene Name	C8G complement component 8, gamma polypeptide [Homo sapiens]
Official Symbol	C8G
Synonyms	C8G; complement component 8, gamma polypeptide; complement component C8 gamma chain; C8C; MGC142186;
Gene ID	733
mRNA Refseq	NM_000606
Protein Refseq	NP_000597
MIM	120930
UniProt ID	P07360
Chromosome Location	9q
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem;

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Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem;

Function

binding; complement binding; retinol binding; transporter activity;

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