Data Sheet (Cat.No.TMPY-02641)

Complement C6 Protein, Human, Recombinant (His)

General Information

Synonyms:	complement component 6
Protein Construction:	A DNA sequence encoding the human C6 (AAA59668.1) (Met 1-Ala 934) was fused with a polyhistidine tag at the C-terminus. Predicted N terminal: Cys 22
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAA59668.1
Molecular Weight:	104 kDa (predicted); 110 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Reference

Lengweiler S,et al.(1997) Elucidation of the disulfide-bonding pattern in the factor I modules of the sixth component (C6) of human complement. Biochim Biophys Acta. 1342 (1): 13-8.
Chakravarti DN,et al.(1989) Structural homology of complement protein C6 with other channel-forming proteins of complement. Proc Natl Acad Sci U S A. 86 (8): 2799-803.
DiScipio RG,et al.(1989) The molecular architecture of human complement component C6. J Biol Chem. 264 (27): 16197-206.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481