

LY6G6F Protein, Human, Recombinant (hFc)

General Information

Synonyms:	G6F;C6orf21;NG32;LY6G6D
Protein Construction:	Ala17-Trp235
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q5SQ64-1
Molecular Weight:	50.58 kDa (predicted). Due to glycosylation, the protein migrates to 53-63 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
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, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

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.

Protein Background

The human G6f protein, which is encoded by a gene in the MHC, is a putative cell-surface receptor belonging to the immunoglobulin superfamily.

Reference

De Vet EC, Aguado B, Campbell RD. Adaptor signalling proteins Grb2 and Grb7 are recruited by human G6f, a novel member of the immunoglobulin superfamily encoded in the MHC. *Biochem J.* 2003 Oct 1;375(Pt 1):207-13. doi: 10.1042/BJ20030293. PMID: 12852788; PMCID: PMC1223670.

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