

FcRH5/FcRL5 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	CD307e;FcRL5;BXMAS1MGC119592;IFGP5;FcRH5;BXMAS1;CD307;DKFZp667F216;FLJ00333;FCRH5MGC119593;DKFZp667E2019;FLJ00397;FcR-like protein 5
Protein Construction:	Gln27-Ala496
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q68SN8-1
Molecular Weight:	53.7 kDa (predicted). Due to glycosylation, the protein migrates to 70-80 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

FcRH5 is a cell surface marker enriched on malignant plasma cells when compared to other hematologic malignancies and normal tissues. DFRF4539A is an anti-FcRH5 antibody-drug conjugated to monomethyl auristatin E (MMAE), a potent anti-mitotic agent.

Reference

Elkins K, et al. FcRL5 as a target of antibody-drug conjugates for the treatment of multiple myeloma. Mol Cancer Ther. 2012;11(10):2222-2232. doi:10.1158/1535-7163.MCT-12-0087.

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