

FAM3C Protein, Human, Recombinant (hFc)

General Information

Synonyms:	ILEI;GS3786;family with sequence similarity 3, member C
Protein Construction:	A DNA sequence encoding the human FAM3C (Q92520)(Met1-Asp227) was expressed with the Fc region of human IgG1 at the C-terminus. Predicted N terminal: Gln 25
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q92520
Molecular Weight:	49.2 kDa (predicted); 53 and 35 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.

Protein Background

FAM3C, also known as ILEI, is a member of the FAM3 family. It can be detected in resected in most secretory epithelia. FAM3C may be involved in retinal laminar formation. It promotes epithelial to mesenchymal transition. A change in expression of FAM3C has been noted in pancreatic cancer-derived cells. ILEI is overexpressed and/or altered in intracellular localization in multiple human tumors, an event strongly correlated to invasion/EMT, metastasis formation, and survival in human colon and breast cancer.

Reference

Zhu Y. et al., 2002, Genomics. 80 (2): 144-50.

Strausberg RL. et al., 2003, Proc Natl Acad Sci. 99 (26): 16899-903.

Quéméner-Redon S. et al., 2003, Nature. 424 (6945): 157-64.

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