

FCRL3 Protein, Human, Recombinant (His)

General Information

Synonyms:	IFGP3;IFGP family protein 3 (hIFGP3);SH2 domain-containing phosphatase anchor protein 2; MAIA;Fc receptor homolog 3 (FcRH3);SPAP2;CD307c;Fc receptor-like protein 3;FcR-like protein 3;Immune receptor translocation-associated protein 3;IRTA3;FCRH3;FCRL3
Protein Construction:	18-573 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q96P31
Molecular Weight:	67.4 kDa (predicted)
AA Sequence:	GVAPKAVLLLNPWSTAFKGEKVALICSSISHSLAQGDYWYHDEKLLKIKHDKIQITEPGNYQCKTRGSSLSLSD AVHVEFSPDWLILQALHPVFEGDNVILRCQGKDNKNTHQKVYYKDGKQLPNSYNLEKITVNSVSRDNSKYHC TAYRKFYILDIEVTSKPLNIQVQELFLHPVLRASSSTPIEGSPMTLTCETQLSPQRPDVQLQFSLFRDSQTLGLG WSRSPRLQIPAMWTEDSGSYWCEVETVTHSIKKRSLRSQIRVQRPVSNVNLEIRPTGGQLIEGENMVLICVA QGSGTFTFSWHKEGRVRSRSLGRKTRSLLAELHVLTVKESDAGRYYCAADNVHSPILSTWIRVTVRIPVSHPVLT FRAPRAHTVVGDLELHCESLRGSPPILYRFYHEDVTLGNSSAPSGGGASFNLSTAETHSGNYSCDADNGLGA QHSHGVSLRVTVPVSRPVLTLRAPGAQAVVGDLELHCESLRGSFPILYWFYHEDDTLGNISAHSGGGASFNL SLTTEHSGNYSCEADNGLGAQHSHKVVTLNVTGTSRNRTGLT

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:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized 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:

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

Promotes TLR9-induced B-cell proliferation, activation and survival but inhibits antibody production and suppresses plasma cell differentiation. Enhances activation of NF-kappa-B and MAPK signaling pathways in TLR9 stimulated B-cells. Has inhibitory potential on B-cell receptor (BCR)-mediated signaling, possibly through association with SH2 domain-containing phosphatases. Inhibits cell tyrosine phosphorylation, calcium mobilization and activation-induced cell death induced through BCR signaling. Regulatory T-cells expressing FCRL3 exhibit a memory phenotype, are relatively nonresponsive to antigenic stimulation in presence of IL2 and have reduced capacity to suppress the proliferation of effector T-cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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