重组人FCRL4蛋白

Recombinant FCRL4 protein (His tag)

目录号 Catalog Number	543411
同用名 Synonyms	FcR-like protein 4; FcRL4; Fc receptor homolog 4; FcRH4; IFGP family protein 2; hIFGP2; Immune receptor translocation-associated protein 1; CD antigen CD307d
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q96PJ5
分子量 Molecular Weight	Predictes a molecular mass of 43.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVAHKPV ISVHPPWTTF FKGERVTLTC NGFQFYATEK TTWYHRHYWG EKLTLTPGNT LEVRESGLYR CQARGSPRSN PVRLLFSSDS LILQAPYSVF EGDTLVLRCH RRRKEKLTAV KYTWNGNILS ISNKSWDLLI PQASSNNNGN YRCIGYGDEN DVFRSNFKII KIQELFPHPE LKATDSQPTE GNSVNLSCET QLPPERSDTP LHFNFFRDGE VILSDWSTYP ELQLPTVWRE NSGSYWCGAE TVRGNIHKHS PSLQIHVQRI PVSGVLLETQ PSGGQAVEGE MLVLVCSVAE GTGDTTFSWH REDMQESLGR KTQRSLRAEL ELPAIRQSHA GGYYCTADNS YGPVQSMVLN VTVRETPGNR DGLLEHHHHH H
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 20-387 aa (Q96PJ5) were fused with C-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

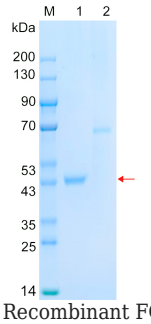
功能描述

研究背景 Background

Recombinant Fc receptor-like protein 4 (FcRL4) fragment (amino acids 20-387) is a high-purity protein designed for studying B-cell receptor signaling and immune response mechanisms. This 368-amino acid fragment includes all four Ig-like C2-type domains, making it an ideal tool for domain-specific functional assays and immunological research.
Fc receptor-like protein 4 (FcRL4) functions as an inhibitor of B-cell receptor signaling and plays a role in B-cell-mediated immune responses. The protein is localized to the cell membrane as a single-pass type I membrane protein, positioning it to interact with extracellular signaling components while maintaining intracellular connectivity. This strategic localization enables FcRL4 to modulate B-cell activation pathways, making it a significant target for understanding immune regulation and potential therapeutic interventions in immune-related disorders.

验证数据

SDS-PAGE



Recombinant FCRL4 protein (His tag) SDS-PAGE
M: Marker; Lane 1: FCRL4; Lane 2: BSA