重组人FCMR蛋白

Recombinant FCMR protein (His tag)

目录号 Catalog Number	537261
同用名 Synonyms	IgM FcR; Fas apoptotic inhibitory molecule 3; FAIM3; Regulator of Fas-induced apoptosis Toso
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	O60667
分子量 Molecular Weight	Predictes a molecular mass of 13.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVHHHHH HGGSLRILPE VKVEGELGGS VTIKCPLPEM HVRIYLCREM AGSGTCGTVV STTNFIKAEY KGRVTLKQYP RKNLFLVEVT QLTESDSGVY ACGAGMNTDR GKTQKVTLNV HSEY
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>90%, 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 17-126 aa (O60667) were fused with N-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.

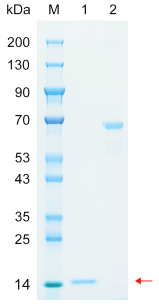
功能描述

研究背景 Background

Recombinant Human Immunoglobulin mu Fc Receptor (IgM FcR) Fragment (aa 17-126) – a high-purity protein fragment encompassing the essential Ig-like domain, designed for investigating IgM binding, immune regulation, and signaling pathways in B cell development and mucosal immunity.
The full-length Immunoglobulin mu Fc receptor (IgM FcR), encoded by the FCMR gene, is a high-affinity Fc receptor for both secreted and membrane-bound immunoglobulin M (IgM). It plays a critical role in IgM transport and homeostasis, facilitating exocytosis and endocytosis of IgM complexes in lymphoid cells and mediating retrotranscytosis of antigen-IgM complexes across mucosal epithelium. This receptor triggers costimulatory signaling, supports B cell development, and regulates primary immune responses to infections by engaging non-canonical NF-kappa-B, MAP kinases, and calcium signaling pathways. It is primarily localized to the cell membrane, with dynamic recycling between cytoplasmic pools and the plasma membrane, and is

验证数据

SDS-PAGE



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