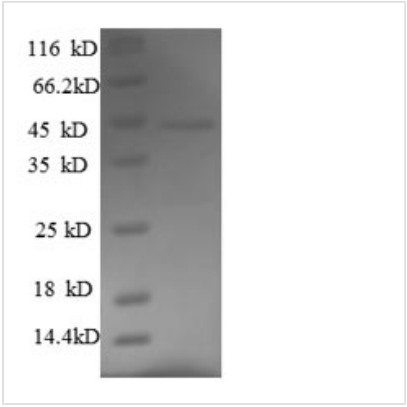
Recombinant Mouse Fas apoptotic inhibitory molecule 3 (Fcmr), partial

Product Code	CSB-EP007972MO
Relevance	May play a role in the immune syst processes. Protects cells from FAS-, TNF alpha- and FADD-induced apoptosis without increasing expression of the inhibitors of apoptosis BCL2 and BCLXL. Ses to activate an inhibitory pathway that prevents CASP8 activation following FAS stimulation, rather than blocking apoptotic signals downstream. May inhibit FAS-induced apoptosis by preventing CASP8 processing through CFLAR up-regulation .
Abbreviation	Recombinant Mouse Faim3 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	A1KXC4
Alias	Regulator of Fas-induced apoptosis Toso
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	RVLPEVQLNVEWGGSIIIECPLPQLHVRMYLCRQMAKPGICSTVVSNTFVKKEY ERRVTLTPCLDKKLFLVEMTQLTENDDGIYACGVGMKTDKGKTQKITLNVHNE YPEPFWEDEWTSERPRWLHRFLQHQMPWLHGSEHPSSSGVIAKVTTPAPKT EAPPVHQPSSITSVTQHPRVYRAFSVSATKSPALLPATTASKTSTQQAIRPLEA SYSHHTRLHEQRTRHHGPHYGREDRGLHIPIPE
Research Area	Others
Source	E.coli
Target Names	Fcmr
Expression Region	18-262
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	43.9kDa
Protein Length	Extracellular Domain
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 18-262 constitute the expression domain of recombinant Mouse Faim3. The theoretical molecular weight of the Faim3 protein is 43.9 kDa. Expression of this Faim3 protein is conducted in e.coli. The Faim3 gene fragment has been modified by fusing the N-terminal 6xHis-SUMO tag, providing convenience in detecting and purifying the recombinant Faim3 protein during the following stages.

Mouse Fas apoptotic inhibitory molecule 3 (Faim3), also known as Fcmr, plays a crucial role in regulating apoptosis, particularly in immune cells. Fcmr functions as a cell surface receptor that modulates Fas-mediated apoptosis, impacting immune responses. Fcmr is implicated in both promoting and inhibiting apoptosis in lymphocytes, depending on the cellular context. Beyond apoptosis regulation, Fcmr is involved in modulating B cell activation and tolerance. Research on Fcmr spans various areas, including immune system regulation, autoimmune diseases, and cancer. Understanding its function provides insights into potential therapeutic strategies for immune-related disorders and cancer treatments.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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