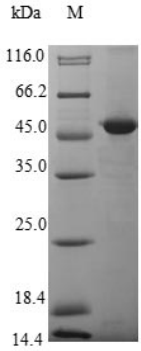
Recombinant Mouse Epidermal growth factor-like protein 8 (Egfl8)

Product Code	CSB-EP753592MO
Relevance	Interacting selectively and non-covalently with calcium ions (Ca2+).
Abbreviation	Recombinant Mouse Egfl8 protein
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.	Q6GUQ1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	GSFKESLGVCSKQTLLVPLRYNESYSQPVYKPYLTLCAGRRICSTYRTTYRVA WREVRREVPQTHVVCCQGWKKPHPGALTCDAICSKPCLNGGVCTGPDRCEC APGWGGKHCHVDVDECRASLTLCSHGCLNTLGSFLCSCPHPLVLGLDGRTCA GGPPESPTSASILSVAVREADSEEERALRWEVAELRGRLEKLEQWATQAGAW VRAVLPMPPEELRPEQVAELWGRGDRIESLSDQVLLLEERLGACACEDNSLG PSLRG
Research Area	Cell Biology
Source	E.coli
Target Names	Egfl8
Protein Names	Ng3
Expression Region	29-293aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	49.0 kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

This recombinant Mouse Egfl8 protein is typically achieved by the manipulation of Egfl8 gene expression in E.coli cells so that it expresses large amounts of a recombinant Egfl8 gene. In order to get enough amount of the Egfl8 protein, strain selection, codon optimization, fusion systems, co-expression, mutagenesis, and isotope labeling techniques are used. Finally, the Egfl8 protein is isolated from the samples such as cell lysates or medium. Protein refolding, cleavage of fusion moieties and chromatography techniques are involved in the protein purification process.

Egfl8 plays negative regulatory roles in mouse thymic epithelial cells (TECs) and thymocytes. It has shown that Egfl8 is downregulated in gastric cancer (GC) and is closely associated with high tumor-node-metastasis stage and dismal prognosis in gastric and colorectal cancer. In addition to participating in thymopoiesis, Egfl8 is also involved in cell migration and invasion by regulating Notch signaling. Egfl8 also can act as a neuritogen and rewire cellular signaling by activating kinases involved in neurogenesis.

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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