

FAM158A Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5632b**Specification**

FAM158A Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9Y3B6](#)
Other Accession [NP_057133.2](#)

FAM158A Antibody (C-term) Blocking peptide - Additional Information

Gene ID 51016

Other Names

ER membrane protein complex subunit 9, Protein FAM158A, EMC9, C14orf122, FAM158A

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FAM158A Antibody (C-term) Blocking peptide - Protein Information

Name EMC9

Synonyms C14orf122, FAM158A

Function

Part of the endoplasmic reticulum membrane protein complex (EMC) that enables the energy-independent insertion into endoplasmic reticulum membranes of newly synthesized membrane proteins (PubMed: [30415835](http://www.uniprot.org/citations/30415835), PubMed: [29809151](http://www.uniprot.org/citations/29809151), PubMed: [29242231](http://www.uniprot.org/citations/29242231), PubMed: [32459176](http://www.uniprot.org/citations/32459176)). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed: [30415835](http://www.uniprot.org/citations/30415835), PubMed: [29809151](http://www.uniprot.org/citations/29809151), PubMed: [29242231](http://www.uniprot.org/citations/29242231)). Involved in the cotranslational insertion of multi-pass membrane proteins in which stop-transfer membrane-anchor sequences become ER membrane spanning helices (PubMed: [30415835](http://www.uniprot.org/citations/30415835), PubMed: [29809151](http://www.uniprot.org/citations/29809151)).

target="_blank">29809151). It is also required for the post-translational insertion of tail-anchored/TA proteins in endoplasmic reticulum membranes (PubMed:29809151, PubMed:29242231). By mediating the proper cotranslational insertion of N-terminal transmembrane domains in an N- exo topology, with translocated N-terminus in the lumen of the ER, controls the topology of multi-pass membrane proteins like the G protein-coupled receptors (PubMed:30415835). By regulating the insertion of various proteins in membranes, it is indirectly involved in many cellular processes (Probable).

Cellular Location

Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side

FAM158A Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

FAM158A Antibody (C-term) Blocking peptide - Images**FAM158A Antibody (C-term) Blocking peptide - References**

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :