

C15orf24 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11145c**Specification**

C15orf24 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9NPA0](#)**C15orf24 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 56851**Other Names**

ER membrane protein complex subunit 7, EMC7, C11orf3, C15orf24

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.

C15orf24 Antibody (Center) Blocking peptide - Protein Information**Name** EMC7**Synonyms** C11orf3, C15orf24**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)), PubMed: [32439656](http://www.uniprot.org/citations/32439656)). 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)), PubMed: [30415835](http://www.uniprot.org/citations/30415835)). 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; Single-pass type I membrane protein

C15orf24 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

C15orf24 Antibody (Center) Blocking peptide - Images**C15orf24 Antibody (Center) Blocking peptide - Background**

The exact function of C15orf24 remains unknown.

C15orf24 Antibody (Center) Blocking peptide - References

Domal-Kwiatkowska, D., et al. Kardiol Pol 64(11):1287-1291(2006)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)O'Brien, K.P., et al. Biochem. Biophys. Res. Commun. 273(1):90-94(2000)