

MPDU1 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP20220B

Specification

MPDU1 Blocking Peptide (C-term) - Product Information

Primary Accession

[O75352](#)

Other Accession

[NP_004861.2](#)**MPDU1 Blocking Peptide (C-term) - Additional Information**

Gene ID 9526

Other Names

Mannose-P-dolichol utilization defect 1 protein, Suppressor of Lec15 and Lec35 glycosylation mutation homolog, SL15, MPDU1

Target/Specificity

The synthetic peptide sequence is selected from aa 234-247 of HUMAN MPDU1

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.

MPDU1 Blocking Peptide (C-term) - Protein Information

Name MPDU1

Function

Required for normal utilization of mannose-dolichol phosphate (Dol-P-Man) in the synthesis of N-linked and O-linked oligosaccharides and GPI anchors.

Cellular Location

Membrane; Multi-pass membrane protein

MPDU1 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

MPDU1 Blocking Peptide (C-term) - Images**MPDU1 Blocking Peptide (C-term) - Background**

This gene encodes an endoplasmic reticulum membrane protein that is required for utilization of the mannose donor mannose-P-dolichol in the synthesis of lipid-linked oligosaccharides and glycosylphosphatidylinositols. Mutations in this gene result in congenital disorder of glycosylation type If. Alternative splicing results in multiple transcript variants.

MPDU1 Blocking Peptide (C-term) - References

Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010)
Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009)
Shen, M., et al. Environ. Mol. Mutagen. 50(4):285-290(2009)
Hosgood, H.D. III, et al. Carcinogenesis 29(10):1938-1943(2008)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :