SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human MANEA (Mannosidase endo-alpha) Full Length

Cat. No.: **MPC3537K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MANEA membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
MANEA

Protein Length
Full length

Protein Class
Receptor

TMD
1

Sequence
MAKFRRRTCIILALFILFIFSLMMGLKMLRPNTATFGAPFGLDLLPELHQ
RTIHLGKNFDFQKSDRINSETNTKNLKSVEITMKPSKASELNLDELPPLN
NYLHVFYYSWYGNPQFDGKYIHWNHPVLEHWDPRIAKNYPQGRHNPPDDI
GSSFYPELGSYSSRDPSVIETHMRQMRSASIGVLALSWYPPDVNDENGEP
TDNLVPTILDKAHKYNLKVTFHIEPYSNRDDQNMYKNVKYIIDKYGNHPA
FYRYKTKTGNALPMFYVYDSYITKPEKWANLLTTSGSRSIRNSPYDGLFI
ALLVEEKHKYDILQSGFDGIYTYFATNGFTYGSSHQNWASLKLFCDKYNL
IFIPSVGPGYIDTSIRPWNTQNTRNRINGKYYEIGLSAALQTRPSLISIT
SFNEWHEGTQIEKAVPKRTSNTVYLDYRPHKPGLYLELTRKWSEKYSKER
ATYALDRQLPVS

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MANEA

Full Name

Mannosidase endo-alpha

Introduction

N-glycosylation of proteins is initiated in the endoplasmic reticulum (ER) by the transfer of the preassembled oligosaccharide glucose-3-mannose-9-N-acetylglucosamine-2 from dolichyl pyrophosphate to acceptor sites on the target protein by an oligosaccharyltransferase complex. This core oligosaccharide is sequentially processed by several ER glycosidases and by an endomannosidase (E.C. 3.2.1.130), such as MANEA, in the Golgi. MANEA catalyzes the release of mono-, di-, and triglucosylmannose oligosaccharides by cleaving the alpha-1,2-mannosidic bond that links them to high-mannose glycans.

Alternative Names

MANEA; ENDO; hEndo; glycoprotein endo-alpha-1,2-mannosidase; alpha 1,2-endomannosidase; endo-alpha mannosidase; endomannosidase; mandaselin; Mannosidase endo-alpha

Gene ID

79694

UniProt ID

Q5SRI9