

Product Information

MemDX™ Membrane Protein Human MOGS (Mannosyl-oligosaccharide glucosidase) Full Length

Cat. No.: **MPC3461K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MOGS 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

MOGS

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MARGERRRAVPAEGVRTAERAARGGPGRRDGRGGGPRSTAGGVALAVVV
LSLALGMSGRWVLAWYRARRAVTLHSAPPVLPADSSSPAVAPDLFWGTYR
PHVYFGMKTRSPKPLL TGLMWAQQGTTPTGPKLRHTCEQGDGVGPYGWEF
HDGLSFGRQHIQDGA LRLTTEFVKRPGGQHGGDWSWRVTVEPQDSGTSAL
PLVSLFFYVVTDGKEVLLPEVGAKGQLKFISGHTSELGDFRFTLLPPTSP
GDTAPKYGSYNVFWTSNPGLPLLTEMVKSRLNSWFQHRPPGAPPERYLGL
PGSLKWEDRGPSGQGGQGLIQQVTLKIPISIEFVFESGSAQAGGNQALP
RLAGSLLTQALES HAEGFRERFEKTFQLKEKGLSSGEQVLGQAALSGLLG
GIGYFYGQGLVLPD GVEGSEQKVDPALFPPVPLFTAVPSRSFFPRGFLW
DEGFHQLVVQRWDPSLTREALGHWLGLLNADGWIGREQILGDEARARVPP
EFLVQRAVHANPPTLLL PVAHMLEVGD PDDLAF LRKALPRLHAWFSWLHQ
SQAGPLPLSYRWRGRDPALPTLLNPKTLPSGLDDYPRASHPSVTERHLDL
RCWVALGARVLTRLAEHLGEAEVAAELGPLAASLEAAESLDELHWAPELG
VFADFGNHTKAVQLKPRPPQGLVRVVGRPQPQLQYVDALGYVSLFPLLLR
LLDPTSSRLGPLLDILADSRHLWSPFGLRSLAASSSFYGQRNSEHDPYW
RGAVWLNVNYLALGALHHYGHLEGPHQARA AKLHGELRANVVG NVWRQYQ
ATGFLWEQYS DRDGRGMGCRPFHGWTSLVLLAMAEDY

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

MOGS

Full Name

Mannosyl-oligosaccharide glucosidase

Introduction

This gene encodes the first enzyme in the N-linked oligosaccharide processing pathway. The enzyme cleaves the distal alpha-1,2-linked glucose residue from the Glc(3)-Man(9)-GlcNAc(2) oligosaccharide precursor. This protein is located in the lumen of the endoplasmic reticulum. Defects in this gene are a cause of type IIb congenital disorder of glycosylation (CDGIIb). Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

MOGS; DER7; GCS1; CDG2B; CWH41; epididymis secretory sperm binding protein; glucosidase I; processing A-glucosidase I; Mannosyl-oligosaccharide glucosidase

Gene ID

[7841](#)

UniProt ID

[Q13724](#)