

Product Information

MemDX™ Membrane Protein Human LCTL (Lactase like) for Antibody Discovery

Cat. No.: **MP0318J**

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

This product is a 64.9 kDa Human LCTL membrane protein expressed in HEK293T. 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

LCTL

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

64.9 kDa

TMD

1

Sequence

MKPVWVATLLWMLLLVPRLGAARKGSPEEASFYYGTFPLGFSWGVGSSAYQTEGAWDQDGKGPSIWDVFT
HSGKGKVLGNETADVACDGYKVEDIILLRELHVNHYRFSLSWPRLPTGIRAEQVNKKGIEFYSDLID
ALLSSNITPIVTLHHWDLPQLLQVKYGGWQNVSMANYFRDYANLCFEAFGDRVKHWITFSDPRAMAEKGY
ETGHHAPGLKLRTGLYKAAHHIIKAHAKAWHSYNTTWRSKQQGLVGISLNCDWGEPVDISNPKDLEAAE
RYLQFCLGWFANPIYAGDYPQVMKDYIGRKSAEQGLEMSPVPSLQEKSYIKGTSDFLGLGHFTTRYIT
ERNYPSRQGPPSYQNDRDLIELVDPNWPDLGSKWLYSVPWGFRRLLNFAQTQYGDPPYYVMENGASQKFHC
TQLCDEWRIQYLKGYINEMLKAIKDGANIKGYTSWSLLDKFEWEKGYSDRYGFYYVEFNDRNKPRYPKAS
VQYYKIIANGFPNPREVESWYLKALETCSINNQMMLAAEPLLSHMQMVTEIVVPTVCSLCVLITAVLLM
LLLRQS

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

LCTL

Full Name

Lactase like

Introduction

This gene encodes a member of family 1 glycosidases. Glycosidases are enzymes that hydrolyze glycosidic bonds and are classified into families based on primary amino acid sequence. Most members of family 1 have two conserved glutamic acid residues, which are required for enzymatic activity. The mouse ortholog of this protein has been characterized and has a domain structure of an N-terminal signal peptide, glycosidase domain, transmembrane domain, and a short cytoplasmic tail. It lacks one of the conserved glutamic acid residues important for catalysis, and its function remains to be determined.

Alternative Names

KLG; KLPH; KL lactase phlorizin hydrolase; klotho gamma; klotho/lactase-phlorizin hydrolase-related protein

Gene ID

[197021](#)

UniProt ID

[Q6UWM7](#)