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Product Information

MemDX™ Membrane Protein Human TXNDC12 (Thioredoxin domain containing 12) for Antibody Discovery

Cat. No.: **MP1034J**
This product is for research use only and is not intended for diagnostic use.

This product is a 19 kDa Human TXNDC12 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
TXNDC12

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
19 kDa

Sequence
METRPRLGATCLLGFSFLLLVISSDGHNGLGKGFGDHIHWRTLEDGKKEAAASGLPLMVIIHKSWCGACK
ALKPKFAESTEISELSHNFVMVNLEDEEEPKHEDFSPDGGYIPRILFLDPSGKVHPEIINENGNPSYKYF
YVSAEQVVQGMKEAQERLTGDAFRKKHLEDEL

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

TXNDC12

Full Name

Thioredoxin domain containing 12

Introduction

This gene encodes a member of the thioredoxin superfamily. Members of this family are characterized by a conserved active motif called the thioredoxin fold that catalyzes disulfide bond formation and isomerization. This protein localizes to the endoplasmic reticulum and has a single atypical active motif. The encoded protein is mainly involved in catalyzing native disulfide bond formation and displays activity similar to protein-disulfide isomerases. This protein may play a role in defense against endoplasmic reticulum stress. Alternate splicing results in both coding and non-coding variants.

Alternative Names

AG1; AGR1; ERP16; ERP18; ERP19; TLP19; hAG-1; PDIA16; hTLP19

Gene ID

51060

UniProt ID

O95881