

Product Information

MemDX™ Membrane Protein Human MTDH (Metadherin) expressed in Sf9 for Antibody

Discovery

Cat. No.: **MP0079Q**

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

This product is a 56.3 kDa Human MTDH membrane protein expressed in Sf9. 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

MTDH

Protein Length

Partial

Protein Class

Transmembrane

Molecular Weight

56.3 kDa

TMD

1

Sequence

MAARSWQDELAQQAAEEGSARLREMLSVGLGFLRTELGLDLGLEPKRYPGWVILVGTGALGLLLLFLLGYGWAAACAGSRKKRRSP
LTDGSLDSTIPGIENTITVTTEQLTTASFPVGSKKKNGDShlnvqvsnfksgkgdstlqvssglnenltvngggwneksvklssql

Product Description

Expression Systems

Sf9

Tag

His

Form

Powder

Purity

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

Buffer

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

Storage

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

Target**Target Protein**

MTDH

Full Name

Metadherin

Introduction

Downregulates SLC1A2/EAAT2 promoter activity when expressed ectopically. Activates the nuclear factor kappa-B (NF-kappa-B) transcription factor. Promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance.

Alternative Names

3D3; AEG-1; AEG1; LYRIC; LYRIC/3D3; protein LYRIC; 3D3/LYRIC; astrocyte elevated gene 1; astrocyte elevated gene-1 protein; lysine-rich CEACAM1 co-isolated protein; metastasis adhesion protein; Metadherin

Gene ID

[92140](#)

UniProt ID

[Q86UE4](#)