

# Product Information

## MemDX™ Membrane Protein Human SLC39A7 (Solute carrier family 39 member 7)

Cat. No.: **MP0247J**

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

This product is a 49.9 kDa Human SLC39A7 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

SLC39A7

#### Protein Length

Full-length

#### Protein Class

Transmembrane

#### Molecular Weight

49.9 kDa

#### TMD

6

#### Sequence

MARGLGAPHWVAVGLLTWATLGLLVAGLGGHDDLHDDLQEDFHGHSHRHSHEDFHHGHSHAHGHGHSTHES  
IWHGHTHDHDHGHSHEDLHHGHSHGYSHESLYHRGHGHDHEHSHGGYGESGAPGIKQDLDAVTLWAYALG  
ATVLISAAPFFVLFLIPVESNSPRHRSLLQILLSFASGGLLGDAFLHLIPHALEPHSHHTLEQPGHGHSH  
SGQGPILSVGLWVLSGIVAFLVVEKFVRHVKGHGHSHGHGHAHSHTRGSHGHGRQERSTKEKQSSEEEE  
KETRGVQKRRGGSTVPKDGPVRPQNAEEERGLDLRVSGYLNLAADLAHNFTDGLAIGASFRGGRGLGIL  
TTMTVLLHEVPHEVGDFAILVQSGCSKKQAMRLQLLTAVGALAGTACALLTEGGAVGSEIAGGAGPGWVL  
PFTAGGFIYVATVSVLPELLREASPLQSLLEVLGLLGGVIMMVLIHLE

### 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**

SLC39A7

**Full Name**

Solute carrier family 39 member 7

**Introduction**

The protein encoded by this gene transports zinc from the Golgi and endoplasmic reticulum to the cytoplasm. This transport may be important for activation of tyrosine kinases, some of which could be involved in cancer progression. Therefore, modulation of the encoded protein could be useful as a therapeutic agent against cancer. Alternative splicing results in multiple transcript variants.

**Alternative Names**

KE4; HKE4; ZIP7; RING5; H2-KE4; D6S115E; D6S2244E; HLA class II region expressed gene KE4; zrt-, Irt-like protein 7; zinc transporter SLC39A7

**Gene ID**

[7922](#)

**UniProt ID**

[Q92504](#)