

# Product Information

## MemDX™ Membrane Protein Human SLC17A5 (Solute carrier family 17 member 5) Full

### Length

Cat. No.: **MPC0755K**

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

This product is a 54.6 kDa Human SLC17A5 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

SLC17A5

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

54.6 kDa

#### TMD

12

#### Sequence

MRSPVRDLARN DGEESTDRTPLLPGAPRAE AAPVCCSARYNLAILAFFGF  
FIVYALRVNLSVALVDMVDSNTTLEDNRTSKACPEHSAPIKVHHNQTKKK  
YQWDAETQGWILGSFFYGYIITQIPGGYVASKIGGKMLLGFGILGTAVLT  
LFTPIAADLGVGPLIVLRALEGLGEGVTFPAMHAMWSSWAPPLERSKLLS  
ISYAGAQLGTVISLPLSGIICYMNWTYVFYFFGTIGIFWFLWIVLVSD  
TPQKHKRISHYEKEYILSSLRNQLSSQKSVPWVPILKSLPLWAIIVAHFS  
YNWTFYTLTLLPTYMKEILRFNVQENGFLSSLPYLGSWLCMILSGQAAD  
NLRKWNFSTLCVRRIFSLIGMIGPAVFLVAAGFIGCDYSLAVAFLTIST  
TLGGFCSSGFSINHLDIAPSYAGILLGITNTFATIPGMVGPVIAKSLTPD  
NTVGEWQTVFYIAAAINVFGAIFFTLFAKGEVQNWALNDHHGHRH

### Product Description

#### Expression Systems

HEK293

**Tag**

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements

**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**

SLC17A5

**Full Name**

Solute carrier family 17 member 5

**Introduction**

This gene encodes a membrane transporter that exports free sialic acids that have been cleaved off of cell surface lipids and proteins from lysosomes. Mutations in this gene cause sialic acid storage diseases, including infantile sialic acid storage disorder and Salla disease, an adult form.

**Alternative Names**

SD; AST; NSD; SLD; ISSD; SIASD; SIALIN; sialin; H(+)/nitrate cotransporter; H(+)/sialic acid cotransporter; membrane glycoprotein HP59; sialic acid storage disease; sodium/sialic acid cotransporter; solute carrier family 17 (acidic sugar transporter), member 5; solute carrier family 17 (anion/sugar transporter), member 5; vesicular H(+)/Aspartate-glutamate cotransporter; SLC17A5; Solute carrier family 17 member 5

**Gene ID**

[26503](#)

**UniProt ID**

[Q9NRA2](#)