

Product Information

MemDX™ Membrane Protein Human SLC3A2 (Solute carrier family 3 member 2) Full Length

Cat. No.: **MPC1022K**

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

This product is a 67.9 kDa Human SLC3A2 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

SLC3A2

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

67.9 kDa

TMD

1

Sequence

MELQPPEASIAVVSIPRQLPGSHSEAGVQGLSAGDDSELGSHCVAQTGLE
LLASGDPLPSASQNAEMIETGSDCVTQAGLQLLASSDPPALASKNAEVTG
TMSQDTEVDMKEVELNELEPEKQPMNAASGAAMSLAGAEKNGLVKIKVAE
DEAEAAAAAKFTGLSKEELLKVAGSPGWVRTRWALLLLFWLGWLGMLAGA
VVIIVRAPRCRELPAQKWWHTGALYRIGDLQAFQGHGAGNLAGLKGRLDY
LSSLKVKGLVLGPIHKNQKDDVAQTDLLQIDPNFGSKEDFDSLLQSAKKK
SIRVILDTPNYRGENSWFSTQVDTVATKVKDALEFWLQAGVDGFGQVRDI
ENLKDASSFLAEWQNITKGFSEDRLLIAGTNSSDLQQILSLLESNKDLLL
TSSYLSDSGSTGEHTKSLVTQYLNATGNRWCSWSLSQARLLTSFLPAQLL
RLYQLMLFTLPGTPVFSYGDEIGLDAAALPGQPMAPVMLWDESSFPDIP
GAVSANMTVKGQSEDPGSLLSLFRRLSDQRSKERSLLHGDFHAFSAGPGL
FSYIRHWDQNERFLVVLNFGDVGLSAGLQASDLPASASLPKADLLLSTQ
PREEGSPLELERLKLEPHEGLLLRFPYAA

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 -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

SLC3A2

Full Name

Solute carrier family 3 member 2

Introduction

This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized.

Alternative Names

SLC3A2; 4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC; 4F2 cell-surface antigen heavy chain; CD98 heavy chain; antigen defined by monoclonal antibody 4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43; lymphocyte activation antigen 4F2 large subunit; monoclonal antibody 44D7; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; solute carrier family 3 (amino acid transporter heavy chain), member 2; Solute carrier family 3 member 2

Gene ID

[6520](#)

UniProt ID

[P08195](#)