

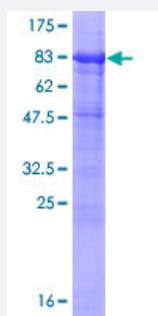
Full-Length

SLC3A2 (Human) Recombinant Protein (P01)

Catalog # H00006520-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC3A2 full-length ORF (NP_001013269.1, 1 a.a. - 529 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSQDTEVDMKEVELNELEPEKQPMNAASGAAMSLAGAEKNGLVKIKVAEDEAEAAAAAKFTGL
SKEELLKVAGSPGWVTRWALLLLFWLWGLGMLAGAVVIVRAPRCRELPAQKWWHTGALYRIG
DLQAFQGHGAGNLAGLKGRDYLSSLKVKGLVLGPIHKNQKDDVAQTDLLQIDPNFGSKEDFDSL
LQSAKKKSIRVILDLTTPNYRGENSWFSTQVDTVATKVKDALEFWLQAGVDGFQVRDIENLKDASS
FLAEWQNITKGFSEDRLIAGTNSSDLQQILSLLESNKDLLLTSSYLSDSGSTGEHTKSLVTQYLNA
TGNRWCSWSLSQARLLTSFLPAQLRLYQLMLFTLPGTPVFSYGDEIGLDAAALPGQPMEAPVML
WDESSFPDIPGAVSANMTVKGQSEDPGSLLSLFRRLSDQRSKERSLLHGDHFHAFSAGPGLFSYI
RHWDQNERFLVVLNFGDVGLSAGLQASDLPASASLPKADLLLSTQPGREEGSPLELERLKLEP
HEGLLLRFPYAA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SLC3A2

Entrez GeneID[6520](#)**GeneBank Accession#**[NM_001013251.1](#)**Protein Accession#**[NP_001013269.1](#)**Gene Name**

SLC3A2

Gene Alias

4F2, 4F2HC, 4T2HC, CD98, CD98HC, MDU1, NACAE

Gene Description

solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2

Omim ID[158070](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein with an alpha amylase domain. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. It associates with integrins and mediates integrin-dependent signaling related to normal cell growth and tumorigenesis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

4F2 cell-surface antigen heavy chain|4F2 heavy chain|CD98 heavy chain|antigen defined by monoclonal antibody 4F2, heavy chain|antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43|heavy chain|lymphocyte activation antigen 4F2 large subu

Disease

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