

Recombinant human CD98 protein

Catalog Number: ATGP3676

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

206-630aa

UniProt No.

P08195

NCBI Accession No.

NP_002385

Alternative Names

4F2 cell-surface antigen heavy chain isoform c, SLC3A2, 4F2, 4F2HC, 4T2HC, CD98, CD98HC, MDU1, NACAE

PRODUCT SPECIFICATION

Molecular Weight

47.9 kDa (434aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SLC3A2, also known as 4F2 cell-surface antigen heavy chain isoform c, is a single-pass type II membrane protein which belongs to the SLC3A transporter family. It is expressed ubiquitously in all tissues tested with highest levels detected in kidney, placenta and testis and weakest level in thymus. This protein is required for the function of light chain amino-acid transporters and also involved in sodium-independent, high-affinity

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transport of large neutral amino acids such as phenylalanine, tyrosine, leucine, arginine and tryptophan. This protein involved in guiding and targeting of LAT1 and LAT2 to the plasma membrane. Recombinant human SLC3A2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

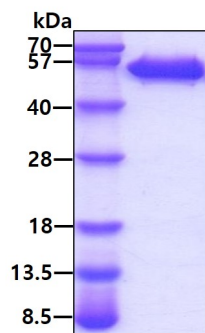
<ADP>RAPRCRE LPAQKWWHTG ALYRIGDLQA FQGHGAGNLA GLKGRLDYLS SLKVKGLVLG PIHKNQKDDV
AQTDLLQIDP NFGSKEDFDS LLQSAKKKS I RVILDLT PNY RGENSWFSTQ VDTVATKVKD ALEFWLQAGV DGFQVRDIEN
LKDASSFLAE WQNITKGFSE DRLLIAGTNS SDLQQILSLL ESNKDLLLLS SYLSDSGSTG EHTKSLVTQY LNATGNRWCS
WSLSQARLLT SFLPAQLLRL YQLMLFTLPG TPVFSYGDEI GLDAAALPGQ PMEAPVMLWD ESSFPDIPGA VSANMTVKGQ
SEDPGSLLSL FRRLSDQRSK ERSLLHGDFH AFSAGPLFS YIRHWDQNER FLVVLNFGDV GLSAGLQASD LPASASLPK
ADLLLSTQPG REEGSPELE RLKLEPHEGL LLRFPYAA<HH HHHH>

General References

Mastroberardino L., et al. (1998) Nature. 395:288-291.
Fort J., et al. (2007) J Biol Chem. 282:31444-31452.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.