

## 32-13435: SLC3A2 Human

### Alternative Name :

Solute Carrier Family 3 Member 2, Lymphocyte Activation Antigen 4F2 Large Subunit, Solute Carrier Family 3 (Activators Of Dibasic And Neutral Amino Acid Transport), Member 2, Antigen Identified By Monoclonal Antibodies 4F2, TRA1.10, TROP4, And T43, Solute Carrier Family 3 (Amino Acid Transporter Heavy Chain), Member 2, 4F2 Cell-Surface Antigen Heavy Chain, Monoclonal Antibody 44D7, CD98 Heavy Chain, 4F2HC, MDU1, Antigen Defined By Monoclonal Antibody 4F2, Heavy Chain, Antigen Defined By Monoclonal Antibody 4F2, 4F2 Heavy Chain Antigen, 4F2 Heavy Chain, CD98 Antigen, Heavy Chain, CD98HC, 4T2HC, NACAE, CD98, 4F2, 4F2 cell-surface antigen heavy chain.

### Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

SLC3A2, also known as Solute Carrier Family 3 Member 2, is a single-pass type II membrane protein which is part of the SLC3A transporter family. SLC3A2 is expressed ubiquitously in all tissues tested with the highest levels detected in kidney, placenta and testis and lowest level in thymus. SLC3A2 is essential for the function of light chain amino-acid transporters and also takes part in sodium-independent, high-affinity transport of large neutral amino acids such as phenylalanine, tyrosine, leucine, arginine and tryptophan. SLC3A2 participates in guiding and targeting of LAT1 and LAT2 to the plasma membrane.

SLC3A2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 434 amino acids (206-630a.a.) and having a molecular mass of 47.9kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). SLC3A2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** SLC3A2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** ADPRAPRCRE LPAQKWWHTG ALYRIGDLQA FQGHGAGNLA GLKGRLDYLS SLKVKGVLVG  
PIHKNQKDDV AQTDLLQIDP NFGSKEDFDS LLQSAKKKSI RVILDLPNY RGENSWFSTQ VDTVATKVKD  
ALEFWLQAGV DGFQVRDIEN LKDASSFLAE WQNITKGFSE DRLLIAGTNSÅ SDLQQILSLL ESNKDLLTS  
SYLSDSGSTG EHTKSLVTQY LNATGNRWCS WSLSQARLLT SFLPAQLLRL YQLMLFTLPG TPVFSYSGEI  
GLDAAALPGQ PMEAPVMLWD ESSFPDIPGA VSANMTVKQG SEDPGSLLSL FRRLSDQQRSK ERSLLHGDFH  
AFSAGPGLFS YIRHWDQNERÅ FLVVLNFGDV GLSAGLQASD LPASASLPK ADLLSTQPG REEGSPLELE  
RLKLEPHEGL LLRFPYAAHH HHHH.