

## Recombinant Human SLC3A2 Protein

Catalog #	Source	Reactivity	Applications
CRP2317	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human SLC3A2 Protein is produced by our Mammalian expression system and the target gene encoding Arg206-Ala630 is expressed with a 6His tag at the C-terminus.

**Form** Lyophilized from a 0.2  $\mu$ M filtered solution of 20mM PB, 150mM NaCl, 5% Threhalose, pH 7.2

**Gene Symbol** SLC3A2

**Alternative Names** MDU1; 4F2 cell-surface antigen heavy chain; 4F2hc; 4F2 heavy chain antigen; Lymphocyte activation antigen 4F2 large subunit; Solute carrier family 3 member 2; CD98

**Entrez Gene** 6520 (Human)

**SwissProt** P08195 (Human)

**Purity** Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

**Chemical Structure** RAPRCRELPA QKWWHTGALY RIGDLQAFQG HGAGNLAGLK GRLDYLSSLK VKGLVLGPIH  
 KNQKDDVAQT DLLQIDPNFG SKEDFDSLLQ SAKKKSIRVI LDLTPNYRGE NSWFSTQVDT  
 VATKVKDALE FWLQAGVDGF QVRDIENLKD ASSFLAEWQN ITKGFSEDRL LIAGTNSSDL  
 QQILSLLESN KDLLLTSSYL SDSGSTGEHT KSLVTQYLNA TGNRWCSWSL SQARLLTSFL  
 PAQLLRLYQL MLFTLPGTPV FSYGDEIGLD AAALPGQPME APVMLWDESS FPDIPGAVSA  
 NMTVKGQSED PGSLLSLFRR LSDQRSKERS LLHGDFHAFS AGPGLFSYIR HWDQNERFLV  
 VLNFGDVGLS AGLQASDLPA SASLPAKADL LLSTQPGREE GSPLELERLK LEPHEGLLLL  
 FPYAAVDHHH HHH

**Quality Control** Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

**Directions for Use** Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Storage/Stability** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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