



## Synonym

ASCT2, M7V1, RDR, RDRC, ATB(0), AAAT, ASCT2M7VS1, M7V1ATBO, R16, R D114, RDRCFLJ31068

## Source

Human SLC1A5, His Tag, TrxA Tag(SL5-H5149) is expressed from *E. coli* cells. It contains AA Gln 154 - Gln 224 (Accession # [Q15758-1](#)).

Predicted N-terminus: Met

## Molecular Characterization

Poly-his	TrxA	SLC1A5 (Gln 154 - Gln 224) Q15758-1
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This protein carries a polyhistidine tag at the N-terminus, followed by a TrxA tag. The protein has a calculated MW of 22.5 kDa. The protein migrates as 24 kDa under reducing (R) condition (SDS-PAGE).

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

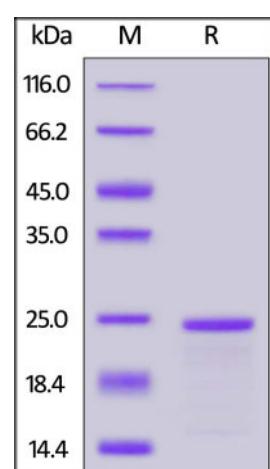
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Human SLC1A5, His Tag, TrxA Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

## Background

Sodium-dependent amino acids transporter(SLC1A5) that has a broad substrate specificity, with a preference for zwitterionic amino acids. It accepts as substrates all neutral amino acids, including glutamine, asparagine, and branched-chain and aromatic amino acids, and excludes methylated, anionic, and cationic amino acids. Through binding of the fusogenic protein syncytin-1/ERVW-1 may mediate trophoblasts syncytialization, the spontaneous fusion of their plasma membranes, an essential process in placental development (PubMed:10708449, PubMed:23492904).

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Human SLC1A5 Protein, His Tag, TrxA Tag

Catalog # SL5-H5149



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