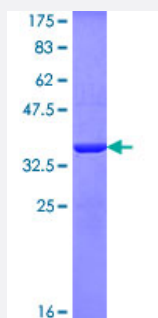


SLC30A4 (Human) Recombinant Protein (Q01)

Catalog # H00007782-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC30A4 partial ORF (NP_037441.2, 326 a.a. - 429 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DTVVIILEGVPSHLNVDYKEALMKIEDVYSVEDLNWSLTSGKSTAVHIQLIPGSSSKWEEVQSKAN HLLLNTFGMYRCTIQLQSYRQEVDRTCANCQSSSP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.18
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 — SLC30A4

Entrez GeneID [7782](#)

GeneBank Accession# [NM_013309](#)

Protein Accession# [NP_037441.2](#)

Gene Name SLC30A4

Gene Alias ZNT4

Gene Description solute carrier family 30 (zinc transporter), member 4

Omim ID [602095](#)

Gene Ontology [Hyperlink](#)

Gene Summary Zinc is the second most abundant trace metal in the human body. It is an essential element, serving both a structural role, as in the formation of zinc fingers in DNA-binding proteins, and a catalytic role in metalloenzymes, such as pancreatic carboxypeptidases (e.g., MIM 114852), alkaline phosphatases (e.g., MIM 171760), various dehydrogenases, and superoxide dismutases (e.g., MIM 147450). SLC30A4, or ZNT4, belongs to the ZNT family of zinc transporters. ZNTs are involved in transporting zinc out of the cytoplasm and have similar structures, consisting of 6 transmembrane domains and a histidine-rich cytoplasmic loop (Huang and Gitschier, 1997 [PubMed 9354792]).[supplied by OMIM]

Other Designations -

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [NARP](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)