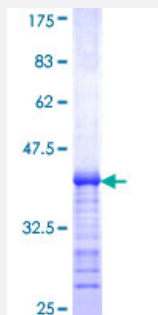


SLC12A6 (Human) Recombinant Protein (Q01)

Catalog # H00009990-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC12A6 partial ORF (NP_005126, 1 a.a. - 90 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPHFTVTKVEDPEEGAAASISQEPSLADIKARIQDSDEPDLSQNSITGEHSQQLDDGHKKARNAYLNNSNYEEGDEYFDKNLALFEEEMD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (78); Rat (77)
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 — SLC12A6

Entrez GeneID [9990](#)

GeneBank Accession# [NM_005135](#)

Protein Accession# [NP_005126](#)

Gene Name SLC12A6

Gene Alias ACCPN, DKFZp434D2135, KCC3, KCC3A, KCC3B

Gene Description solute carrier family 12 (potassium/chloride transporters), member 6

Omim ID [218000 604878](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the K-Cl cotransporter (KCC) family. K-Cl cotransporters are integral membrane proteins that lower intracellular chloride concentrations below the electrochemical equilibrium potential. The proteins encoded by this gene are activated by cell swelling induced by hypotonic conditions. Alternate splicing results in multiple transcript variants encoding different isoforms. Mutations in this gene are associated with agenesis of the corpus callosum with peripheral neuropathy. [provided by RefSeq]

Other Designations potassium chloride cotransporter 3|potassium chloride cotransporter KCC3a-S3|solute carrier family 12, member 6

Disease

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

- [Bipolar Disorder](#)
- [Kidney Failure](#)
- [NARP](#)
- [Schizophrenia](#)