

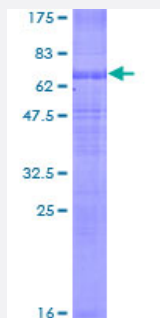
Full-Length

SLC12A1 (Human) Recombinant Protein (P01)

Catalog # H00006557-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC12A1 full-length ORF (ENSP00000331550, 1 a.a. - 430 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLNNSSNVFLDSVPSNTNRFQVSVINENHESSAAADDNTDPPHYEETSFGDEAQKRLRISFRPG
NQECYDNFLQSGETAKTDASFHAYDSHTNTYYLQTFGHNTMDAVPKIEYYRNTGSISGPKVNRPSL
LEIHEQLAKNVAVTPSSADRVANGDGIPGDEQAENKEDDQAGVVKFGWVKGVLCMLNIWGV
MLFIRLSWVGEAGIGLVLIILLSTMVTSITGLSTSAIATNGFVRGGGAYLISRSLGPEFGGSLIFL
FANAVAVAMYVVGFAETVVDLLKESDSMMVDPTNDIRIGSITVVILLGISVAGMEWEAKAQVILLVIL
LIAIANFFIGTVIPSNNEKKSRGFFNYQASIFAENFGPRFTKGEFFSVFAIFFPAATGILAGANISGDL
EALRKQGASPLPQGAQSRRRRQTSLI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.9

Interspecies Antigen Sequence

Rat (92)

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 — SLC12A1

Entrez GeneID	6557
GeneBank Accession#	ENST00000330289
Protein Accession#	ENSP00000331550
Gene Name	SLC12A1
Gene Alias	BSC1, MGC48843, NKCC2
Gene Description	solute carrier family 12 (sodium/potassium/chloride transporters), member 1
Omim ID	600839 601678
Gene Ontology	Hyperlink
Gene Summary	The sodium-potassium-chloride cotransporter isoform 2 is kidney-specific and is found on the apical membrane of the thick ascending limb of Henle's loop and the macula densa. It accounts for most of the NaCl resorption with the stoichiometry of 1Na:1K:2Cl and is sensitive to such diuretics as furosemide and bumetanide. Some Bartter-like syndromes result from defects in this gene. [provided by RefSeq]
Other Designations	NKCC2A variant A Na-K-2Cl cotransporter sodium potassium chloride cotransporter 2

Disease

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