

Recombinant Human SLC12A2 protein, His-tagged

Cat. No. SLC12A2-3915H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC12A2 protein(1-280 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-280 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MEPRPTAPSSGAPGLAGVGETPSAAALAAARVELPGTAVPSVPEDAAPASRDGGG VRDEGPAAAGDGLGRPLGPTPSQSRFQVDLVSENAGRAAAAAAAAAAAAAAAAAAGAG AGAKQTPADGEASGESEPAKGSEEAKGRFRVNFVDPAASSSAEDSLSDAAGVGVD GPNVSFQNGGDTVLSGSSLHSGGGGGSGHHQHYYYYDHTNTYYLRTFGHNTMD AVPRIDHYRHTAAQLGEKLLRPSLAELHDELEKEPFEDGFANGEESTPTRDAVVITYT AESK
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name

SLC12A2 solute carrier family 12 (sodium/potassium/chloride transporters), member 2 [Homo sapiens]

Official Symbol

SLC12A2

Synonyms

SLC12A2; solute carrier family 12 (sodium/potassium/chloride transporters), member 2; solute carrier family 12 member 2; basolateral Na K Cl symporter; BSC; BSC2; bumetanide sensitive sodium (potassium) chloride cotransporter 1; NKCC1; basolateral Na-K-Cl symporter; bumetanide-sensitive sodium-(potassium)-chloride cotransporter 1; MGC104233;

Gene ID

6558

mRNA Refseq

NM_001046

Protein Refseq

NP_001037

MIM

600840

UniProt ID

P55011

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