

Recombinant Human solute carrier family 5 member 12 Protein, His6ABP tagged

Cat. No. SLC5A12-23H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC5A12 Protein with N-His6ABP (ABP = Albumin Binding Protein derived from Streptococcal Protein G) tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Normal blood lactate is maintained at about 1.5 mM, and little filtered lactate is excreted in urine. Reabsorption of lactate is mediated by the low-affinity Na(+)-coupled lactate transporter SLC5A12 in the initial part of the proximal tubule and by the high-affinity Na(+)-coupled lactate transporter SLC5A8 in the distal proximal tubule.
Tag	N-His&ABP
Molecular Mass	22 kDa including tags
AA Sequence	QGSTHAGGFHNVLEQSTNGSRLHIFDFDPLRRH
Purity	> 80% by SDS-PAGE and Coomassie blue staining
Notes	Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.

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Storage	Upon delivery store at -20 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS and 1M Urea, pH 7.4.
Concentration	≥0.5 mg/mL
Shipping	Shipped in liquid form on wet ice.

GENE INFORMATION

Gene Name	SLC5A12 solute carrier family 5 member 12 [Homo sapiens (human)]
Official Symbol	SLC5A12
Synonyms	SLC5A12; solute carrier family 5 (sodium/glucose cotransporter), member 12; sodium-coupled monocarboxylate transporter 2; MGC52019; solute carrier family 5 member 12; sodium-iodide related cotransporter; low-affinity sodium-lactate cotransporter; electroneutral sodium monocarboxylate cotransporter; SMCT2; DKFZp564G223;
Gene ID	159963
mRNA Refseq	NM_178498
Protein Refseq	NP_848593
MIM	612455
UniProt ID	Q1EHB4

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