

Recombinant Full Length Rat SLC10A1 Protein, Tag Free

Cat. No. SLC10A1-5418R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat SLC10A1 Protein without tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	1-362 aa
Description	Enables bile acid:sodium symporter activity. Involved in several processes, including bile acid and bile salt transport; response to estrogen; and response to ethanol. Located in basolateral plasma membrane. Biomarker of alcoholic hepatitis; cholestasis; and obesity. Orthologous to human SLC10A1 (solute carrier family 10 member 1).
AASequence	MEVHNVSAPFNFSLPPGFGHRATDKALSILVLMLLIMLSLGCTMEFSKIKAHLWKP KGVIVALVAQFGIMPLAAFLLGKIFHLSNIEALAILICGCSPGGNLSNLFTLAMKGDMNL SIVMTTCSSFSALGMMPLLLYVYSKGIYDGLDKDKVPYKGIMISLVIVLIPCTIGIVLKSK RPHYVYPYILKGGMIITFLLSVAVTALSVINVGNSIMFVMTPHLLATSSLMPFSGFLMGYI LSALFQLNPSCRRTISMETGFQNIQLCSTILNVTFPPEVIGPLFFFPLLYMIFQLAEGLLI IIIFRCYEKIKPPKDQTKITYKAAATEDATPAALEKGTHNGNIPPLQPGPSPNGLNSGQ MAN
Molecular Mass	42.3 kDa
Purity	≥85% by SDS-PAGE

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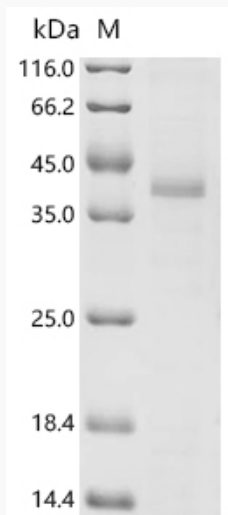
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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from PBS, 0.05% Brij78, 6% Trehalose, pH7.4 The volume before lyophilization is 187µl/vial.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20/-80 centigrade. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	Slc10a1 solute carrier family 10 member 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Slc10a1
Synonyms	SLC10A1; solute carrier family 10 (sodium/bile acid cotransporter family), member 1; sodium/bile acid cotransporter; Na(+)/bile acid cotransporter; solute carrier family 10, member 1; Na(+)/taurocholate transport protein; sodium-dependent bile acid cotransporter; NA-dependent cholate transporting protein; sodium/taurocholate cotransporting polypeptide; sodium-dependent taurocholate cotransporting polypeptide; Ntcp; Ntcp1; SBACT
Gene ID	24777
mRNA Refseq	NM_017047
Protein Refseq	NP_058743

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UniProt ID
P26435
SDS-PAGE and WB


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. Boiling SDS-treated samples may result in membrane protein aggregation. Incubation at 37 centigrade for 10 min is an effective alternative.

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