

# Recombinant Full Length Rat SLC10A1 Protein, Tag Free

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

## SPECIFICATION

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

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<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from PBS, 0.05% Brij78, 6% Trehalose, pH7.4 The volume before lyophilization is 187µl/vial.
<b>Reconstitution</b>	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

<b>Gene Name</b>	<a href="#">Slc10a1 solute carrier family 10 member 1 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Slc10a1</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">24777</a>
<b>mRNA Refseq</b>	<a href="#">NM_017047</a>
<b>Protein Refseq</b>	<a href="#">NP_058743</a>

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UniProt ID

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