

SLC5A2 Protein, Human, Recombinant (His & Myc)

General Information

Synonyms:	SLC5A2;Sodium/glucose cotransporter 2;Low affinity sodium-glucose cotransporter;Solute carrier family 5 member 2;SGLT2;Na(+)/glucose cotransporter 2
Protein Construction:	1-102 aa
Species:	Human
Expression Host:	E. coli
Accession:	P31639
Molecular Weight:	15.5 kDa (predicted)
AA Sequence:	MEEHTEAGSAPEMGAQKALIDNPADILVIAAYFLLVIGVGLWSMCRNTRGTVGGYFLAGRSMVWWPVGASL FASNIGSGHFVGLAGTGAASGLAVAGFEWNA

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Sodium-dependent glucose transporter. Has a Na(+) to glucose coupling ratio of 1:1.; Efficient substrate transport in mammalian kidney is provided by the concerted action of a low affinity high capacity and a high affinity low capacity Na(+)/glucose cotransporter arranged in series along kidney proximal tubules.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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