Recombinant Human Sodium,glucose cotransporter 2(SLC5A2),partial

Catalog No: #AP77231

Package Size: #AP77231-1 20ug #AP77231-2 100ug #AP77231-3 1mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Sodium,glucose cotransporter 2(SLC5A2),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-102aaSequence Info:Partial
Other Names	Low affinity sodium-glucose cotransporter Solute carrier family 5 member 2
Accession No.	P31639
Uniprot	P31639
GeneID	6524;
Calculated MW	15.5 kDa
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Target Sequence	MEEHTEAGSAPEMGAQKALIDNPADILVIAAYFLLVIGVGLWSMCRTNRGTVGGYFLAGRSMVWWPVGASLF ASNIGSGHFVGLAGTGAASGLAVAGFEWNA
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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

References

"Thioglycosides as inhibitors of hSGLT1 and hSGLT2: potential therapeutic agents for the control of hyperglycemia in diabetes."
Castaneda F., Burse A., Boland W., Kinne R.K.
Int J Med Sci 4:131-139(2007)Research Topic:Signal Transduction

Note: This product is for in vitro research use only