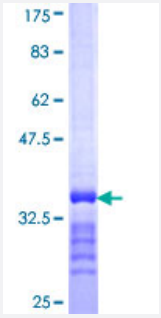
SLC13A3 (Human) Recombinant Protein (Q01)

Catalog # H00064849-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC13A3 partial ORF (NP_073740, 152 a.a. - 232 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LPIANAILKSLFGQKEVRKDPSQESEENTAAVRRNGLHTVPTEMQFLASTEAKDHPGETEVPLDL PADSRKEDEYRRNIWK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.65
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SLC13A3

Entrez GeneID	64849
GeneBank Accession#	NM_022829
Protein Accession#	NP_073740
Gene Name	SLC13A3
Gene Alias	NADC3, SDCT2
Gene Description	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3
Omim ID	606411
Gene Ontology	Hyperlink
Gene Summary	Mammalian sodium-dicarboxylate cotransporters transport succinate and other Krebs cycle inter mediates. They fall into 2 categories based on their substrate affinity: low affinity and high affinity. Both the low- and high-affinity transporters play an important role in the handling of citrate by the ki dneys. The protein encoded by this gene represents the high-affinity form. Alternatively spliced tra nscript variants encoding different isoforms have been found for this gene, although the full-length nature of some of them have not been characterized yet. [provided by RefSeq
Other Designations	Na(+)/dicarboxylate cotransporter 3|OTTHUMP00000031667|sodium-dependent high affinity dica rboxylate transporter 3|solute carrier family 13 member 3

Disease

- Diabetes Mellitus
- Diabetic Nephropathies
- Genetic Predisposition to Disease

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- Kidney Failure

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