

Recombinant Human SLC34A3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC34A3-673H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC34A3 MS Standard C13 and N15-labeled recombinant protein (NP_543153) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of SLC34A transporter family of proteins, and is expressed primarily in the kidney. It is involved in transporting phosphate into cells via sodium cotransport in the renal brush border membrane, and contributes to the maintenance of inorganic phosphate concentration in the kidney. Mutations in this gene are associated with hereditary hypophosphatemic rickets with hypercalciuria. Alternatively spliced transcript variants varying in the 5' UTR have been found for this gene.
Molecular Mass	63.3 kDa
AA Sequence	MPSSLPGSQVPHPTLDAVDLVEKTLRNEGTSSSAPVLEEGDTPWTL PQLKDT SQP WKELRVAGRLRRVAGSVLKACGLLGSLYFFICSLDVLSSAFQLLGSKVAGDIFKDNV VLSNPVAGLVIGVLVTALVQSSSTSSSIVVSMVAAKLLTVRVSVPIIMGVNVGTSITSTL VSMAQSGDRDEFQRAFGSAVHGIFNWLTVLVLLPLESATALLERLSELALGAASLT PRAQAPDILKVLT KPLTHLIVQLDSDMIMSSATGNATNSSLIKHWC GTTGQPTQENSS CGAFGPCTEKNSTAPADRLPCRHLFAGTELTDLAVGCILLAGSLLVLCGCLVLIVKLL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NSVLRGRVAQVVRTVINADFPFPLGWLGGYLAVLAGAGLTFALQSSSVFTAADVPLM
 GVGVISLDRAYPLLLGSNIGTTTTALLAALASPADRMLSALQVALIHFFFNLAGILLWYL
 VPALRLPIPLARHFGVVTARYRWVAGVYLLLGFLLLPLAAFGLSLAGGMVLAAVGGP
 LVGLVLLVILVTVLQRRRPAWLPVRLRSWAWLPVWLHSLEPWDRLVTRCCPCNVCS
 PPKATTKEAYCYENPEILASQQLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [SLC34A3 solute carrier family 34 member 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [SLC34A3](#)

Synonyms SLC34A3; solute carrier family 34 (sodium phosphate), member 3; sodium-dependent phosphate transport protein 2C; FLJ38680; NPT11c; NaPi-2c; Na(+)/Pi cotransporter 2C; type IIc Na+/Pi cotransporter; sodium-phosphate transport protein 2C; Na(+)-dependent phosphate cotransporter 2C; sodium/inorganic phosphate cotransporter IIC; HHRH;

Gene ID [142680](#)

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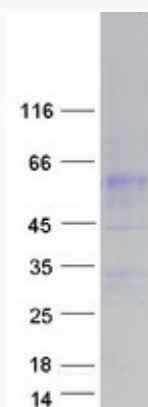
mRNA Refseq NM_080877

Protein Refseq NP_543153

MIM 609826

UniProt ID Q8N130

SDS-PAGE



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