

Recombinant Human SLC34A2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC34A2-3329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC34A2 MS Standard C13 and N15-labeled recombinant protein (NP_006415) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a pH-sensitive sodium-dependent phosphate transporter. Phosphate uptake is increased at lower pH. Defects in this gene are a cause of pulmonary alveolar microlithiasis. Three transcript variants encoding two different isoforms have been found for this gene.
Molecular Mass	75.5 kDa
AA Sequence	MAPWPELGDAQPNPDKYLEGAAGQQPTAPDKSKETNKTDNTEAPVTKIELLPSYST ATLIDEPTVDDPWNLPTLQDSGIKWSEKDTKGKILCFFQGIGRLILLGFLYFFVCSL DILSSAFQLVGGKMAGQFFSNSSIMSNPLLGLVIGVLVTVLVQSSSTSTSIVVSMVSS SLLTVRAAIIIMGANIGTSITNTIVALMQVGDRSEFRRAFAGATVHDFFNWLSVLVLL PVEVATHYLEIITQLIVESFHFKNGEDAPDLLKVITKPFTKLIVQLDKKVISQIAMNDEKA KNKSLVKIWCKTFTNKTQINVTVPSTANCTSPSLCWTDGIQNWTKMKNVTYKENIAKC QHIFVNFHLPDLAVGTILLILSLLVLCGLIMIVKILGSLVKGQVATVIKKTINTDFPPFA WLTGYLAILVGAGMTFIVQSSSVFTSALTPLIGIGVITIERAYPLTLGSGNIGTTTTAILAAL ASPGNALRSSQLALCHFFFNISGILLWYPIPFTRLPIRMAKGLGNISAKYRWFAVFYLI

 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

IFFFLIPLTVFGLSLAGWRVLVGVGVPVVFIIILVLCRLQLQSRCPRVLPKKLQNWNLFLP
LWMRSLKPWDAVVSFKFTGCFQMRCCCCCRVCCRACCLLCGCPKCCRCCKCEDL
EEAQEGQDVPVKAPETFDNITISREAQGEVPASDSKTECTALSGPSGPTRTRRLEQK
LISEEDLAANDILDYKDDDDKV

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 SLC34A2 solute carrier family 34 member 2 [Homo sapiens (human)]

Official Symbol SLC34A2

Synonyms SLC34A2; solute carrier family 34 member 2; PULAM; NPTIIB; NAPI-3B; NAPI-IIB; sodium-dependent phosphate transport protein 2B; sodium/phosphate cotransporter 2B; solute carrier family 34 (sodium phosphate), member 2; solute carrier family 34 (type II sodium/phosphate cotransporter), member 2; type II sodium-dependent phosphate transporter 3b

Gene ID 10568

mRNA Refseq NM_006424

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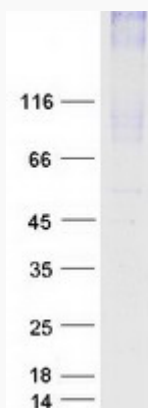
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_006415

MIM 604217

UniProt ID O95436

SDS-PAGE



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