

## Product datasheet for PH318736

### SLC34A2 (NM\_006424) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SLC34A2 MS Standard C13 and N15-labeled recombinant protein (NP_006415)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218736
Predicted MW:	75.7 kDa
Protein Sequence:	>Peptide sequence encoded by RC218736 Blue=ORF Red=Cloning site Green=Tag(s)

MAPWPELGDAQPNPKYLEGAAGQQPTAPDKSKETNKTDNTEAPVTKIELLPSYSTATLIDPETEVDDP  
WNLPTLQDSGIKWSERDTKGKILCFFQGIGRLILLGFLYFFVCSLDILSSAFQLVGGKMAGQFFSNSS  
IMSNPLLGLVIGVLTVLVQSSSTSTSIIVSMVSSLLTVRAAIPIMGANIGTSITNTIVALMQVGDR  
SEFRRAFAGATVHDFNWL SVLVLLPVEVATHYLEIITQLIVESFHFKNGEDAPDLLKVITKPFKLIV  
QLDKKVISQIAMNDEKAKNKSLVKIWCKTFTNKTQINVTVPSTANCTSPSLCWTDTGIQNWTKMKNVTYKE  
NIAKQCQHIFVNFHLPDLAVGTILLILSLLVLCGLIMIVKILGSVLKGQVATVIKKTINTDFPPFAWL  
TGYLAILVGAGMTFIVQSSVFTSAL TPLIGIVITIERAYPL TLGNSIGTTTTAILAALASPGNALRS  
SLQIALCHFFFNISGILLWYPIPFTRLPIRMAKGLGNISAKYRWFVVFYLIIFFFLIPLTVFGLSLAGW  
RVLVGVGVPVVFIIILVLCRLQLSRCPVLPKQLQNWFLPLWMRSLKPWDAVVSFKFTGCFQMRCCCC  
CRVCCRACLLCGCPKCCRCCKCEDLEEAQEGQDVPVKAPETFDNITISREAQGEVPASDSKTECTAL  
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Recombinant protein using RC218736 also available, [TP318736](#)

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006415</a>



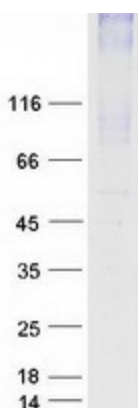
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RefSeq Size: 2280  
RefSeq ORF: 2079  
Synonyms: NAPI-3B; NAPI-IIb; NPTIIb; PULAM  
Locus ID: 10568  
UniProt ID: [O95436](#)  
Cytogenetics: 4p15.2

**Summary:** 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. [provided by RefSeq, May 2010]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified SLC34A2 protein (Cat# [TP318736]). The protein was produced from HEK293T cells transfected with SLC34A2 cDNA clone (Cat# [RC218736]) using MegaTran 2.0 (Cat# [TT210002]).