

## Sodium-dependent phosphate transport protein 2B (SLC34A2) Recombinant Protein | SLC34A2 recombinant protein

Recombinant Human Sodium-dependent phosphate transport protein 2B (SLC34A2), partial

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA114756</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

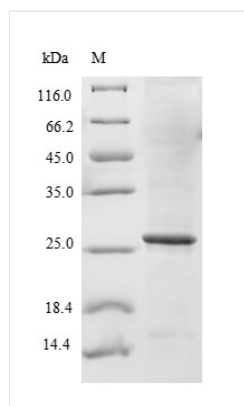
### PRODUCT SYNONYMS

Sodium-dependent phosphate transport protein 2B (SLC34A2); Recombinant Human Sodium-dependent phosphate transport protein 2B (SLC34A2); partial; Na(+)-dependent phosphate cotransporter 2B; NaPi3b; Sodium/phosphate cotransporter 2B; Na(+)/Pi cotransporter 2B; NaPi-2b; Solute carrier family 34 member 2; SLC34A2 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                  |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                         |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                  |
| Sequence Positions      | 574-689aa; Partial                                                                                                                |
| Sequence                | LLQSRCPRVL PPKLQNWFL PLWMRSLKPW DAVVSKFTGC FQMRCCCCR VCCRACCLLC DCPKCCRC SK<br>CCEDLEEAQE GQDVPVKAPE TFDNITISRE AQGEVPASDS KTECTA |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                            |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

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| Related Product Information for SLC34A2 recombinant protein | May be involved in actively transporting phosphate into cells via Na <sup>+</sup> cotransport. It may be the main phosphate transport protein in the intestinal brush border membrane. May have a role in the synthesis of surfactant in lungs' alveoli. |
| Product Categories/Family for SLC34A2 recombinant protein   | <a href="#">Signal Transduction</a>                                                                                                                                                                                                                      |

References

Cloning and functional characterization of a sodium-dependent phosphate transporter expressed in human lung and small intestine.Feild J.A., Zhang L., Brun K.A., Brooks D.P., Edwards R.M.Biochem. Biophys. Res. Commun. 258:578-582(1999) Molecular cloning, functional characterization, tissue distribution, and chromosomal localization of a human, small intestinal sodium-phosphate (Na<sup>+</sup>-Pi) transporter (SLC34A2) .Xu H., Bai L., Collins J.F., Ghishan F.K.Genomics 62:281-284(1999) Generation and annotation of the DNA sequences of human chromosomes 2 and 4.Hillier L.W., Graves T.A., Fulton R.S., Fulton L.A., Pepin K.H., Minx P., Wagner-McPherson C., Layman D., Wylie K., Sekhon M., Becker M.C., Fewell G.A., Delehaunty K.D., Miner T.L., Nash W.E., Kremitzki C., Oddy L., Du H., Sun H., Bradshaw-Cordum H., Ali J., Carter J., Cordes M., Harris A., Isak A., van Brunt A., Nguyen C., Du F., Courtney L., Kalicki J., Ozersky P., Abbott S., Armstrong J., Belter E.A., Caruso L., Cedroni M., Cotton M., Davidson T., Desai A., Elliott G., Erb T., Fronick C., Gaige T., Haakenson W., Haglund K., Holmes A., Harkins R., Kim K., Kruchowski S.S., Strong C.M., Grewal N., Goyea E., Hou S., Levy A., Martinka S., Mead K., McLellan M.D., Meyer R., Randall-Maher J., Tomlinson C., Dauphin-Kohlberg S., Kozlowicz-Reilly A., Shah N., Swearengen-Shahid S., Snider J., Strong J.T., Thompson J., Yoakum M., Leonard S., Pearman C., Trani L., Radionenko M., Waligorski J.E., Wang C., Rock S.M., Tin-Wollam A.-M., Maupin R., Latreille P., Wendl M.C., Yang S.-P., Pohl C., Wallis J.W., Spieth J., Bieri T.A., Berkowicz N., Nelson J.O., Osborne J., Ding L., Meyer R., Sabo A., Shotland Y., Sinha P., Wohldmann P.E., Cook L.L., Hickenbotham M.T., Eldred J., Williams D., Jones T.A., She X., Ciccarelli F.D., Izaurralde E., Taylor J., Schmutz J., Myers R.M., Cox D.R., Huang X., McPherson J.D., Mardis E.R., Clifton S.W., Warren W.C., Chinwalla A.T., Eddy S.R., Marra M.A., Ovcharenko I., Furey T.S., Miller W., Eichler E.E., Bork P., Suyama M., Torrents D., Waterston R.H., Wilson R.K.Nature 434:724-731(2005) Regulation of the human sodium-phosphate cotransporter NaPi-IIb gene promoter by epidermal growth factor.Xu H., Collins J.F., Bai L., Kiela P.R., Ghishan F.K.Am. J. Physiol. 280:C628-C636(2001) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Fusion of FIG to the receptor tyrosine kinase ROS in a glioblastoma with an interstitial del(6)(q21q21) .Charest A., Lane K., McMahon K., Park J., Preisinger E., Conroy H., Housman D.Genes Chromosomes Cancer 37:58-71(2003) Mutations in SLC34A2 cause pulmonary alveolar microlithiasis and are possibly associated with testicular microlithiasis.Corut A., Senyigit A., Ugur S.A., Altin S., Ozcelik U., Calisir H., Yildirim Z., Gocmen A., Tolun A.Am. J. Hum. Genet. 79:650-656(2006)

NCBI AND UNIPROT INFORMATION

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| NCBI GI #                        | 295789158                                                                   |
| NCBI GeneID                      | 10568                                                                       |
| NCBI Accession #                 | NP_001171469.1                                                              |
| NCBI GenBank Nucleotide #        | NM_001177998.1                                                              |
| UniProt Accession #              | O95436; Q8N2K2; Q8WYA9; Q9P0V7; A5PL17                                      |
| Molecular Weight                 | 15.1 kDa                                                                    |
| NCBI Official Full Name          | sodium-dependent phosphate transport protein 2B isoform b                   |
| NCBI Official Synonym Full Names | solute carrier family 34 (type II sodium/phosphate cotransporter), member 2 |
| NCBI Official Symbol             | SLC34A2                                                                     |
| NCBI Official Synonym Symbols    | NPTIib; NAPI-3B; NAPI-IIb                                                   |

|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| NCBI Protein Information   | sodium-dependent phosphate transport protein 2B                           |
| UniProt Protein Name       | Sodium-dependent phosphate transport protein 2B                           |
| UniProt Gene Name          | <b>SLC34A2</b>                                                            |
| UniProt Synonym Gene Names | Sodium-phosphate transport protein 2B; Na(+)/Pi cotransporter 2B; NaPi-2b |
| UniProt Entry Name         | NPT2B_HUMAN                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/slc34a2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114756>