

SLC34A2 protein

Human SLC34A2 full length protein-synthetic nanodisc

CATALOG #
AAA129478

HOST
HEK293

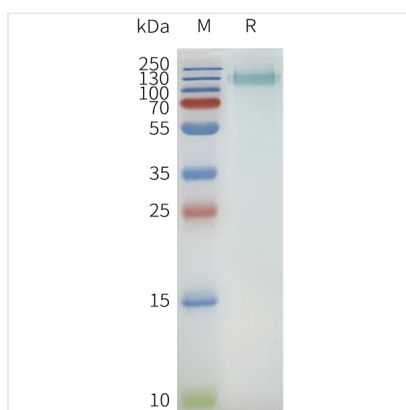
PRODUCT SYNONYMS

SLC34A2; Human SLC34A2 full length protein-synthetic nanodisc; NAPI-3B; NAPI-IIb; NPTIIb; PULAM; SLC34A2 protein

PRODUCT SPECIFICATIONS

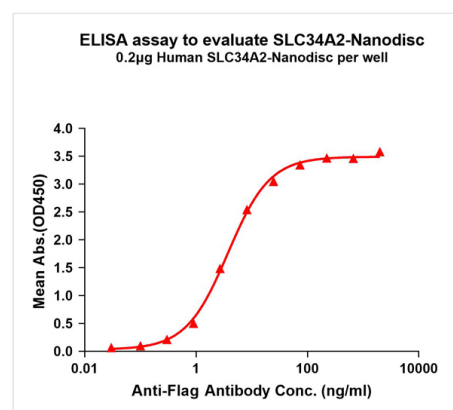
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Lyophilized from PBS. Normally 5%-
Tag	C-DYKDDDDK
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

IMAGES



SDS-PAGE

Figure 2. Human SLC34A2-Nanodisc, DYKDDDDK Tag on SDS-PAGE



ELISA

Figure 1. Elisa plates were pre-coated with DYKDDDDK Tag SLC34A2-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with SLC34A2-Nanodisc is 3.738ng/ml.

ADDITIONAL INFORMATION

Related Product Information for SLC34A2 protein	The protein 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.
Product Categories/Family for SLC34A2 protein	Full Length Transmembrane Proteins; Transmembrane

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; Q9POV7; A5PL17
Molecular Weight	75,759 Da
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; sodium/phosphate cotransporter 2B; type II sodium-dependent phosphate transporter 3b; solute carrier family 34 (sodium phosphate), member 2
UniProt Protein Name	Sodium-dependent phosphate transport protein 2B
UniProt Gene Name	SLC34A2
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.

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Online datasheet: <https://www.aaabiotech.com/hek293-protein/slc34a2/129478>