

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	SLC34A2
Synonyms	NAPI-3B; NAPI-IIb; NPTIIb; PULAM
Description	Human SLC34A2 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	O95436
Expression Host	HEK293
Protein Families	Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length SLC34A2 protein has a MW of 75.8 kDa
Formulation & Reconstitution	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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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.
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate SLC34A2-Nanodisc 0.2 μ g Human SLC34A2-Nanodisc per well

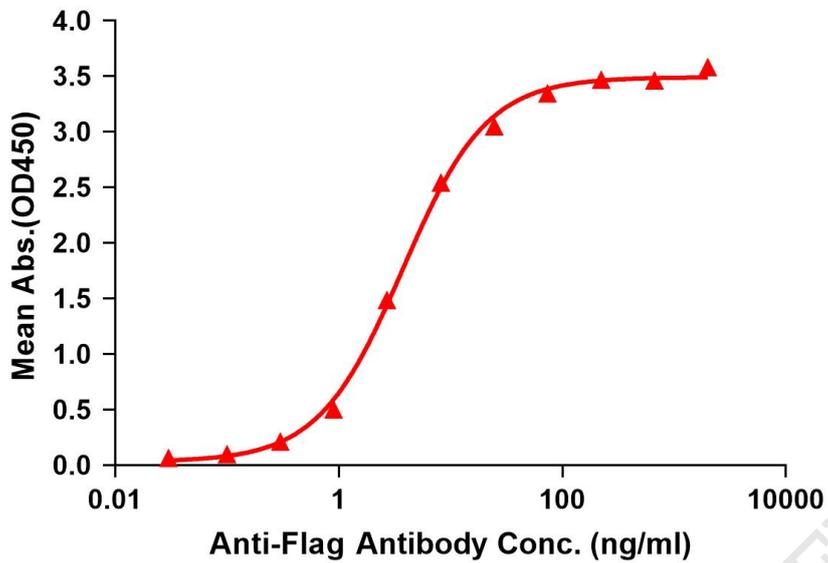


Figure 1. Elisa plates were pre-coated with Flag Tag SLC34A2-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC34A2-Nanodisc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

kDa M R

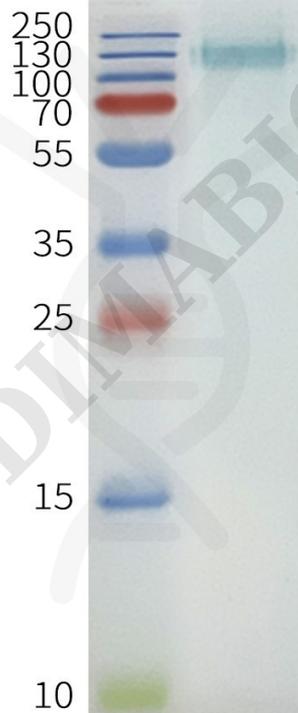


Figure 2. Human SLC34A2-Nanodisc, Flag Tag on SDS-PAGE

