

Recombinant Human CNPY4 Protein (His Tag)

Catalog Number: PKSH030652

Note: Centrifuge before opening to ensure complete recovery of vial contents.

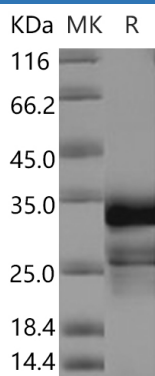
Description

Species	Human
Source	HEK293 Cells-derived Human CNPY4 protein Met 1-Leu248, with an C-terminal His
Calculated MW	27.4 kDa
Observed MW	32 kDa
Accession	Q8N129
Bio-activity	Not validated for activity

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

CNPY4 belongs to the canopy family. CNPY4 interacts with toll-like receptor 4 (TLR4) and plays a role in the regulation of the cell surface expression of TLR4. Toll-like receptors (TLRs) recognize microbial products and induce immune responses. Lipopolysaccharide is recognized by the receptor complex consisting of TLR4 and MD-2. As CNPY4, PRAT4B also regulates cell surface expression of TLR4. PRAT4B has a signal peptide followed by a mature peptide. It is associated with the hypoglycosylated, immature form of TLR4 but not with MD-2 or TLR2.

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