



# Recombinant Protein Technical Manual

## Recombinant Human Syntaxin-8/STX8 Protein

RPES0473

### Product Data:

**Product SKU:** RPES0473

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q9UNK0

### Protein Information:

**Molecular Mass:** 24.6 kDa

**AP Molecular Mass:** 28 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Syntaxin-8; STX8

## Immunogen Information:

**Sequence:** Met 1-Gly215

## Background:

Syntaxin-8 is a single-pass type IV membrane protein which belongs to the syntaxin family. It contains one t-SNARE coil homology domain. STX8 is highly expressed in heart, also found in brain, kidney, liver, lung, placenta, skeletal muscle, spleen and pancreas. STX8 is involved in protein trafficking from early to late endosomes via vesicle fusion and exocytosis. It as a vesicle trafficking protein functions in the early secretory pathway, possibly mediating retrograde transport form cis-golgi membrane to the ER.