



Recombinant Protein Technical Manual

Recombinant Human ERP44 Protein (His Tag)

RPES3182

Product Data:

Product SKU: RPES3182

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9BS26

Protein Information:

Molecular Mass: 44.2 kDa

AP Molecular Mass: 50 kDa

Tag: C-6His

Bio-activity:

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

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris HCl, 10% Glycerol, pH7.5.

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

Application:

Synonyms: Thioredoxin domain-containing protein 4; ER protein 44; KIAA0573; TXNDC4

Immunogen Information:

Sequence: Glu30-Asp402

Background:

Endoplasmic reticulum resident protein 44 (TXNDC4) is a 406 amino acid protein that contains one thioredoxin domain. TXNDC4 mediates thiol-dependent retention in the early secretory pathway and forms mixed disulfides with substrate proteins through its conserved CRFS motif. It can inhibit the calcium channel activity of ITPR1. It may have a role in the control of oxidative protein folding in the endoplasmic reticulum.