

Recombinant Human ER Resident Protein 44/ERp44/TXNDC4 Protein(C-6His)

Cat.NO.: TP05149

3th Edition

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

Description: 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.

Form: PBS

Molecular Weight: 44.2 kDa

Sequences: Glu30-Asp402

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.