

## 32-7982: Recombinant Human ER Resident Protein 44/ERp44/TXNDC4 (C-6His)(Discontinued)

**Gene :** ERP44  
**Gene ID :** 23071  
**Uniprot ID :** Q9BS26

### Description

Source: Human Cells.  
MW :44.2kD.

Recombinant Human ER resident protein 44 is produced by our Mammalian expression system and the target gene encoding Glu30-Asp402 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 6His) / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris HCl, 10% glycerol, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** EITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPFEEASDVIKEEFPNENQVVFARVDCDQHSDIAQRYRI  
SKYPTLKLFRNGMMMKREYRGQSVKALADYIRQKSDPIQEIRDLAEITTLDRSKRNIIGYFEQKSDNYRVFE  
RVANILHDDCAFLSAFGDVSKPERYSGDNIIYKPPGHSAPDMVYLGAMTNFDVTYNWIQDKCVPLVREITFENG  
EELTEEGLPFLILFHMKEDTESLEIFQNEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPADCPVIAIDSFRHMY  
VFGDFKDVLPGLKQFVFDLHSGKLHREFHHGPDPTDTAPGEQAQDVASSPPESSFQKLAPSEYRYTLLRDVD  
HHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.