

## 32-3764: ERP44 Recombinant Protein

**Alternative Name :** PDIA10, TXNDC4, ER protein 44.

### Description

Source : Escherichia Coli. ERP44 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 415 amino acids (30-406 a.a.) and having a molecular mass of 48 kDa. The ERP44 is fused to a 38 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. ERP44 is an endoplasmic reticulum chaperone that takes part in thiol-dependent retention of the primary secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif. ERP44 inhibits the calcium channel activity of ITPR1. ERP44 is involved in the control of oxidative protein folding in the endoplasmic reticulum.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 25 µg   |
| <b>Purification :</b>      | Greater than 90.0% as determined by SDS-PAGE.   |
| <b>Content :</b>           | 1mg/ml solution containing 20mM Tris-HCl pH-7.5 & 10% glycerol.   |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  |
| <b>Amino Acid :</b>        | MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWAGSMEI TSLDTENIDE ILNNADVALV<br>NFYADWCRFS QMLHPIFEEA SDVIKEEFPNENQVVFARVD CDQHSDIAQR YRISKYPTLK<br>LFRNGMMMKR EYRGQRSVKA LADYIRQQKS DPIQEIRDLA EITTLDRSKR<br>NIIGYFEQKSDNYRVFERV ANILHDDCAF LSAFGDVSKP ERYSGDNIIY KPPGHSAPDM<br>VYLGAMTNFD VTYNWIQDKC VPLVREITFE NGEELTEEGLPFLILFHMKE DTESLEIFQN<br>EVARQLISEK GTINFLHADC DKFRHPLLHI QKTPADCPVI AIDSFRHMYV FGDFKDVLP<br>GKLKQVFDLHSGKLRHREFH HGPDPDTAP GEQAQDVASS PPESSFQKLA PSEYRYTLLR<br>DRDEL. |

