9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ERP44 Human

Endoplasmic Reticulum Protein 44 Human Recombinant
RCP0777

Product Overview

Name	ERP44 Human
Description	
Endoplasmic Reticulum Protein 44 Human Recombinant	
Accession (Primary)	Q9BS26
Synonyms	
PDIA10, TXNDC4, ER protein 44.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
1mg/ml solution containing 20mM Tris-HCl pH-7.5 & 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
M RGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWAGSM EI TSLDTENIDE ILNNADVALV NFYADWCRFS QMLHPIFEEA SDVIKEEFPN ENQVVFARVD CDQHSDIAQR YRISKYPTLK LFRNGMMMKR EYRGQRSVKA LADYIRQQKS DPIQEIRDLA EITTLDRSKR NIIGYFEQKD SDNYRVFERV ANILHDDCAF LSAFGDVSKP ERYSGDNIIY KPPGHSAPDM VYLGAMTNFD VTYNWIQDKC VPLVREITFE NGEELTEEGL PFLILFHMKE DTESLEIFQN EVARQLISEK GTINFLHADC DKFRHPLLHI QKTPADCPVI AIDSFRHMYV FGDFKDVLIP	

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GKLKQFVFDL HSGKLHREFH HGPDPTDTAP GEQAQDVASS PPESSFQKLA PSEYRYTLLR DRDEL.

Precautions

ERP44 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BS26)