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Datasheet for ABIN7318445 ERP44 Protein (His tag)

Overview

Quantity:	50 µg
Target:	ERP44
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERP44 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ERP44 Protein (His Tag)
Sequence:	Glu30-Asp402
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ERP44
Alternative Name:	ERP44 (ERP44 Products)
Background:	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

Target Details

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.

Synonym: Thioredoxin domain-containing protein 4, ER protein 44, KIAA0573, TXNDC4

Molecular Weight: 44.2 kDa

UniProt: [Q9BS26](#)

Pathways: [Cell RedoxHomeostasis](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris HCl, 10 % Glycerol, pH 7.5.

Storage: -20 °C

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