

Recombinant Human ERP44 Protein (His Tag)

Catalog No. PKSH032399

Note: Centrifuge before opening to ensure complete recovery of vial contents.

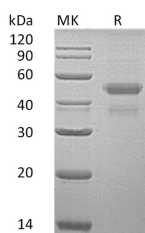
Description

Synonyms	Thioredoxin domain-containing protein 4;ER protein 44;KIAA0573;TXNDC4
Species	Human
Expression Host	HEK293 Cells
Sequence	Glu30-Asp402
Accession	Q9BS26
Calculated Molecular Weight	44.2 kDa
Observed molecular weight	50 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

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