

Recombinant Human Endoplasmic reticulum resident protein 44



Catalog No: #AP71510

Orders: order@signalwayantibody.com

Package Size: #AP71510-1 20ug #AP71510-2 100ug #AP71510-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Endoplasmic reticulum resident protein 44
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:30-406aaSequence Info:Full Length
Other Names	Thioredoxin domain-containing protein 4
Accession No.	Q9BS26
Uniprot	Q9BS26
GeneID	23071;
Calculated MW	59.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	EITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPIFEEASDVIKEEFPNENQVVFARVDCDQHSDIAQRYRI SKYPTLKLFRNGMMMKREYRGQRSVKALADYIRQQKSDPIQEIRDLAIEITLDRSKRNIIGYFEQKSDSDNYRVF ERVANILHDDCAFLSAFGDVSKPERYSGDNIIYKPPGHSAPDMVYLGAMTNFDVTYNWIQDKCVPLVREITFEN GEELTEEGLPFLILFHMKEDTESLEIFQNEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPADCPVIAIDSRFH MYVFGDFKDVLPGLKQFVFDLHSGKLHREFHHGPDPTDTAPGEQAQDVASSPPESSFQKLAPSEYRYTLL RDRDEL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Mediates thiol-dependent retention in the early secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif. Inhibits the calcium channel activity of ITPR1. May have a role in the control of oxidative protein folding in the endoplasmic reticulum. Required to retain ERO1L and ERO1LB in the endoplasmic reticulum.

References

ERp44, a novel endoplasmic reticulum folding assistant of the thioredoxin family.Anelli T., Alessio M., Mezghrani A., Simmen T., Talamo F., Bachi A., Sitia R.EMBO J. 21:835-844(2002)Research Topic:Metabolism

Note: This product is for in vitro research use only