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PDIA3, 25-505aa, Human, His tag, E.coli

产品货号: TP03327

第三版

别名:ER60, ERp57, ERp60, ERp61, GRP57, GRP58, HsT17083, P58, PI-PLC

描述:PDIA3, also known as protein disulfide-isomerase A3, is a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. This protein has protein disulfide isomerase activity. PDIA3 is also part of the major histocompatibility complex (MHC) class I peptide-loading complex (TAP1), which is essential for formation of the final antigen conformation and export from the endoplasmic reticulum to the cell surface. Recombinant human PDIA3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 0.1 M NaCl, and 10% glycerol

分子量:58.5 kDa (518aa), confirmed by MALDI-TOF

序列:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSDVLELTDDNFESRISDTGSAGLMLVEFFAPWCGHCKR
LAPEYEAATRLKGIPLAKVDCTANTNTCNKYGVSGYPTLKIFRDGEEAGAYDGPRTADGIVSHLKKQAGPASVPLRTEE
EFKKFISDKDASIVGFFDDSFSEAHSEFLKAASNLRDNYRFAHTNVEESLVNEYDDNGEGIILFRPSHLTNKFEDKTVAYTEQK
MTSGKIKKFIQENIFGICPHMTEDNKDLIQGKDLLIAYYDVDYEKNAKGSNYWRNRVMMVAKKFLDAGHKLNFVAVSR
KTFSELSDFGLESTAGEIPVVAIRTAKEKFMQEEFSRDGKALERFLQDYFDGNLKRYLKSEPIPESNDGPVKVVVAENF
DEIVNENKDVLIIFYAPWCGHCKNLEPKYKELGEKLSKDPNIVIAKMDATANDVPSPYEVRGFPTIYFSPANKKLNPKKY
EGGRELSDFISYLQREATNPPVIQEEKPKKKKKAQEDL

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.