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TIGAR, 1-270aa, Human, His tag, E.coli

产品货号: TP04217

第三版

别名: TP53-induced glycolysis and apoptosis regulator,

描述: TIGAR, also known as TP53-induced glycolysis and apoptosis regulator, is a 270 amino acid protein induced by the p53 tumor suppressor pathway that functions to protect against oxidative stress. TIGAR specifically functions to block glycolysis, leading the pathway to the pentose phosphate shunt and decreasing the intracellular concentration of reactive oxygen species. These facts indicate that TIGAR may act to modulate the apoptotic response to p53, thereby allowing cells to survive mild or transient stresses. Recombinant human TIGAR 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 0.2M NaCl, 2mM DTT, 10% glycerol

分子量: 32.6 kDa (294aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSHMARFALTVVRHGETRFNKEKIIQGQGVDEPLSETGFKQAAAAGIFLNNVKFTHA  
FSSDLMRTKQTMHGILERSKFCKDMTVKYDSRLRERKYGVVEGKALSELRAMAKAAREECPVFTPPGGETLDQVKMRGI  
DFFEFLCQLILKEADQKEQFSQGSNSNCLETSLAEIFPLGKNHSSKVNSDSGIPGLAASVLVSHGAYMRSFLDYFLTDLKCSL  
PATLSRSELM SVTPNTGMSLFIINFEEGREVKPTVQCICMNLQDHLNGLTETR

纯度: > 95% by HPLC

浓度: 0.5 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.