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32-3363: C12ORF5 Recombinant Protein

Alternative Name : Probable fructose-2,6-bisphosphatase TIGAR,TP53-induced glycolysis and apoptosis regulator,TIGAR,C12orf5.

Description

Source : Escherichia Coli. C12ORF5 Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 294 amino acids (1-270 a.a.) and having a molecular mass of 32.6kDa. The C12ORF5 is purified by proprietary chromatographic techniques. TP53-induced glycolysis and apoptosis regulator (TIGAR or C12ORF5), is a 270 amino acid protein induced by the p53 tumor suppressor pathway that functions to protect against oxidative stress. C12ORF5 specifically functions to block glycolysis, leading the pathway to the pentose phosphate shunt and decreasing the intracellular concentration of reactive oxygen species. Therefore, it is thought that C12ORF5 may act to modulate the apoptotic response to p53, thus allowing cells to survive mild or transient stresses.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The C12ORF5 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 10% glycerol.
Storage condition :	C12ORF5 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMARFAL TVVRHGETRF NKEKIIQGQG VDEPLSETGF KQAAAAGIFL NNVKFTHAFS SDLMRTKQTM HGILERSKFC KDMTVKYDSR LRERKYGVVE GKALSELRAM AKAAREECPV FTPPGGETLD QVKMRGIDFF EFLCQLILKE ADQKEQFSQG SPSNCLETSL AEIFPLGKNH SSKVNSDSGI PGLAASVLVV SHGAYMRSLF DYFLTDLKCS LPATLSRSEL MSVTPNTGMS LFIINFEEGR EVKPTVQCIC MNLQDHLNGL TETR.

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