

TIGAR Human Recombinant

Item Number	rAP-4952
Synonyms	Fructose-2,6-bisphosphatase TIGAR, TP53-induced glycolysis and apoptosis regulator, TIGAR, C12orf5.
Description	TIGAR Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 270 amino acids and having a molecular mass of 30.1kDa. The TIGAR is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9NQ88
Amino Acid Sequence	MARFALTVVR HGETRFNKEK IIQGQGVDEP LSETGFKQAA AAGIFLNNVK FTHAFSSDLM RTKQTMH-GIL ERSKFCKDMT VKYDSRLRER KYGVVEGKAL SELRAMAKAA REECPVFTPP GGETLDQVKM RGID-FFEFLC QLILKEADQK EQFSQGSPSN CLETSLAEIF PLGKNHSSKV NSDSGIPGLA ASVLVVSHGA YMRSLFDYFL TDLKCSLPAT LSRSELM SVT PNTGMSLFII NFEEGREVKP TVQCICMNLQ DHLNGLTETR
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TIGAR stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution TIGAR should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	TIGAR was Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris-HCl, pH8.5, 150mM NaCl. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TIGAR in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**