

TIGAR Protein, Human, Recombinant (TAT)

General Information

Synonyms:	TP53-induced glycolysis and apoptosis regulator;6-bisphosphatase TIGAR;Fructose-2,6-bisphosphatase TIGAR;C12orf5;TP53-induced glycolysis regulatory phosphatase;TIGAR
Protein Construction:	1-270 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9NQ88
Molecular Weight:	31.7 kDa (Predicted)
AA Sequence:	MARFALTVVR HGETRFNKEK IIQGQGVDEP LSETGFKQAA AAGIFLNNVK FTHAFSSDLM RTKQTMHGIL ERSKFCKDMT VKYDSRLRER KYGVVEGKAL SELRAMAKAA REECPVFTPP GGETLDQVKM RGIDFFFLC QLILKEADQK EQFSQGPSN CLETSLAEIF PLGKNHSSKV NSDSGIPGLA ASVLVSHGA YMRSLFDYFL TDLKCSLPAT LSRSELSVT PNTGMSLFII NFEEGREVKP TVQCICMNLQ DHLNGLTETR GGYGRKKRRQ RRR

QC Testing

Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by its ability to protect U2OS cells from apoptosis induced by hydrogen peroxide is in a concentration range of 0.1-5.0 µg/ml, after pretreating with rHuTIGAR-TAT for 4 hours.
Purity:	>96% as determined by SDS-PAGE and HPLC
Endotoxin:	< 0.1 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered 30 % Acetonitrile, 0.1% TFA

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481