

Human C12ORF5 Recombinant Protein



RPPB2929

Product Information Protein Information

Product SKU:

RPPB2929

Accession:

Q9NQ88

Host:

Escherichia Coli.

Protein description:

TIGAR Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 283 amino acids (including the 270 residues of full-length TIGAR and a 13-residue C-terminal TAT peptide) and having a molecular mass of 31.7kDa. The TIGAR is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Fructose-2,6-bisphosphatase TIGAR, TP53-induced glycolysis and apoptosis regulator, TIGAR, C12orf5.

Formulation:

TIGAR was Lyophilized from a 0.2µm filtered concentrated solution in 20mM PBS, pH7.0, 350mM NaCl and 5% Trehalose.

Purity:

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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.

Stability:

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.

Amino Acid Sequence:

MARFALTVVR HGETRFNKEK IIQQQGVDEP LSETGFKQAA AAGIFLNNVK FTHAFSSDLM RTKQTMHGIL
ERSKFCKDMT VKYDSRLRER KYGVVEGKAL SELRAMAKAA REECPVFTPP GGETLDQVKM RGIDFFFLC
QLILKEADQK EQFSQGSPSN CLETSLAEIF PLGKNHSSKV NSDSGIPGLA ASVLVSHGA YMRSFLDYFL
TDLKCSLPAT LSRSELMSTV PNTGMSLFII NFEEGREVKP TVQCICMNLQ DHLNGLTETR GGYGRKKRRQ RRR.

Biological Activity:

The Specific Activity was measured by its ability to protect U2OS cells from apoptosis induced by hydrogen peroxide in a concentration range of 0.1-5.0 µg/ml, after pretreating with rHuTIGAR-TAT for 4 hours.