

32-20231: Recombinant Human TIGAR(Discontinued)**Alternative Name** : TP53-induced glycolysis and apoptosis regulator (TIGAR)**Description****Source:**E.coli

TIGAR is a p53-inducible enzyme that catalyzes the hydrolysis of fructose-2-6 bisphosphate (F-2-6-BP) to fructose-6-phosphate and inorganic phosphate. F-2-6-BP is a powerful activator of 6-phosphofructose-1 kinase, the rate limiting enzyme of glycolysis. By lowering the intracellular level of F-2-6-BP, TIGAR expression leads to increased glucose processing via the pentose phosphate pathway, the major cellular source for NADPH. Recombinant Human TIGAR expressed in E. coli is a 29.9 kDa protein containing 269 amino acid residues.

Product Info**Amount** : 5 µg / 25 µg**Purification** : Purity: >= 95% by SDS-PAGE gel and HPLC analyses.

Amino Acid : ARFALTVVRH GETRFNKEKI IQGQGVDEPL SETGFKQAAA AGIFLNNVKF THAFSSDLMR
TKQTMHGILE RSKFCKDMTV KYDSRLRERK YGVVEGKALS ELRAMAKAAR EECPVFTPPG
GETLDQVKMR GIDFFEFLCQ LILKEADQKE QFSQGSPSNC LETSLAEIFP LGKNHSSKVN
SDSGIPGLAA SVLVVSHGAY MRS�FDYFLT DLKCSLPATL SRSELMSTVP NTGMSLFIIN
FEEGREVKPT VQCICMNLQD HLNGLTETR