

32-2857: TP53I3 Recombinant Protein

Alternative Name : TP53I3,PIG3,Quinone Oxidoreductase,tumor protein p53 inducible protein 3.

Description

Source : Escherichia Coli. TP53I3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 352 amino acids (1-332 a.a.) and having a molecular mass of 37.6 kDa. TP53I3 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography. TP53I3 participates in the generation of reactive oxygen species (ROS). TP53I3 has low NADPH-dependent naphtoquinone reductase activity, with a preference for 1,2-naphtoquinone over 1,4-naphtoquinone. TP53I3 has low NADPH-dependent diamine reductase activity (in vitro). TP53I3 is localized to the cytoplasm and induced in primary, non-transformed and transformed cell cultures after exposure to genotoxic agents. TP53I3 microsatellite polymorphism is associated with differential susceptibility to cancer.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	1mg/ml solution containing 20mM Tris HCl pH-8, 0.1M NaCl & 10% glycerol.
Storage condition :	TP53I3 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MLAVHFDKPG GPENLYVKEV AKPSPGEGEV LLKVAASALN RADLMQRQQQ YDPPPGASNI LGLEASGHVAELGPGCQGHW KIGDTAMALL PGGGQAQYVT VPEGLLMPIP EGLTLTQAAA IPEAWLTAFAQ LLHLVGNVQA GDYVLIHAGL SGVGTAAIQLTRMAGAIPLV TAGSQKKLQM AEKLGAAAGF NYKKEDFSEA TLKFTKGAGV NLILDCIGGS YWEKNVNCLA LDGRWVLYGL MGGGDINGPLFSKLLFKRGS LITSLLRSRD NKKYQMLVNA FTEQILPHFS TEGPQRLLPV LDRIYPVTEI QEAHKYMEAN KNIGKIVLEL PQ.

