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TP53I3 Human

Catalog #:ENPS-526

For research use only.

Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MLAVHFDKPG GPENLYVKEV AKPSPGEGEV LLKVAASALN RADLMQRQGQ YDPPPGASNI LGLEASGHVAELGPGCQGHW KIGDTAMALL PGGGQAQYVT VPEGLLMPIP EGLTLTQAAA IPEAWLTAFQ LLHLVGNVQA GDYVLIHAGL SGVGTAAIQLTRMAGAIPLV TAGSQKKLQM AEKLGAAAGF NYKKEDFSEA TLKFTKGAGV NLIL

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
1mg/ml solution containing 20mM Tris HCl pH-8, 0.1M NaCl & 10% glycerol.

Stability:
TP53I3 Human althoμgh stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:
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Introduction:
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.

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