

## Tumor Protein p53 Inducible Protein 3 Recombinant Protein | TP53I3 recombinant protein

Recombinant Human Tumor Protein p53 Inducible Protein 3

|                              |                       |
|------------------------------|-----------------------|
| CATALOG #<br><b>AAA38827</b> | HOST<br><b>E Coli</b> |
|------------------------------|-----------------------|

### PRODUCT SYNONYMS

Tumor Protein p53 Inducible Protein 3; Recombinant Human Tumor Protein p53 Inducible Protein 3; TP53I3 Human; Tumor Protein p53 Inducible Protein 3 Human Recombinant; TP53I3; PIG3; Quinone Oxidoreductase; tumor protein p53 inducible protein 3; TP53I3 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification     | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                       |
| Form/Format             | 1mg/ml solution containing 20mM Tris HCl pH-8, 0.1M NaCl & 10% glycerol.<br>Sterile filtered colorless solution.                                                                                                                                                                                                                                                                                                  |
| Sequence                | MGSSHHH HHHSSGLVPR GSHMLA VHFDPKGGPE NLYVKEVAKP SPGEGEVLLK VAASALNRAD<br>LMQRQGQYDP PPGASNILGL EASGHVAELG PGCQGHWKIG DTAMALLPGG GQAQYVTVPE GLLMPIPEGL<br>TLTQAAAIPE AWLTAFQLLH LVGNVQAGDY VLIHAGLSGV GTAAIQLTRM AGAIPLVTAG SQKKLQMAEK<br>LGAAAGFNYK KEDFSEATLK FTKGAGVNLI LDCIGGSYWE KNVNCLALDG RWVLYGLMGG GDINGPLFSK<br>LLFKRGLIT SLLRSRDNKY KQMLVNAFTE QILPHFSTEG PQRLLPVLDR IYPVTEIQEA HKYMEANKNI<br>GKIVLELPQ |
| Sequence Length         | 248                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage | TP53I3 Human although stable at 4 degree C for 1 week, should be stored desiccated below -18 degree C. Please prevent freeze thaw cycles.                                                                                                                                                                                                                                                                         |

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TP53I3 recombinant protein | <p><b>Description:</b> 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.</p> <p><b>Introduction:</b> 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.</p> |
| Product Categories/Family for TP53I3 recombinant protein   | Enzymes; Reductase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### NCBI AND UNIPROT INFORMATION

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| NCBI GI #                 | 332164791                                              |
| NCBI GeneID               | 9540                                                   |
| NCBI Accession #          | NP_001193731.1                                         |
| NCBI GenBank Nucleotide # | NM_001206802.2                                         |
| UniProt Accession #       | Q53FA7; O14679; O14685; Q38G78; Q6JLE7; Q9BWB8; D6W533 |

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| Molecular Weight                 | 25,402 Da                                                                               |
| NCBI Official Full Name          | quinone oxidoreductase PIG3 isoform 2                                                   |
| NCBI Official Synonym Full Names | tumor protein p53 inducible protein 3                                                   |
| NCBI Official Symbol             | TP53I3                                                                                  |
| NCBI Official Synonym Symbols    | PIG3                                                                                    |
| NCBI Protein Information         | quinone oxidoreductase PIG3; p53-induced gene 3 protein; quinone oxidoreductase homolog |
| UniProt Protein Name             | Quinone oxidoreductase PIG3                                                             |
| UniProt Gene Name                | <b>TP53I3</b>                                                                           |
| UniProt Synonym Gene Names       | PIG3                                                                                    |
| UniProt Entry Name               | QORX_HUMAN                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tp53i3-recombinant-protein-e-coli/38827>