

Human PDI Recombinant Protein



RPPB2081

Product Information Protein Information

Product SKU:

RPPB2081

Accession:

P07237

Host:

Escherichia Coli.

Protein description:

PDI Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 503 amino acids and having a molecular mass of 62.4 kDa. The PDI is fused to a 12 amino acid His tag (515 a.a. total) at N-terminal and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Protein Disulfide Isomerase, PDI, EC 5.3.4.1, Prolyl 4-hydroxylase subunit beta, Cellular thyroid hormone-binding protein, p55, P4HB, ERBA2L, PDIA1, PO4DB, DSI, GIT, PHDB, PO4HB, PROHB, P4Hbeta.

Formulation:

The PDI protein (1mg/ml) solution was lyophilized from PBS pH-7.

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 PDI in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Protein Disulfide Isomerase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Human PDI should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

Amino Acid Sequence:

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Arg-Arg-Ala.