

Protein Disulfide Isomerase Human Recombinant

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| Item Number | rAP-1218 |
| 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. |
| 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. |
| Uniprot Accesion Number | P07237 |
| 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. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered White lyophilized (freeze-dried) powder. 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. |
| Formulation and Purity | The PDI protein (1mg/ml)solution was lyophilized from PBS pH-7. Greater than 95.0% as determined by:a) Analysis by RP-HPLC.b) Analysis by SDS-PAGE. |
| Application | |
| 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. |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**