

Protein Disulfide Isomerase Human Recombinant

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 Accession 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 H ₂ O 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**