

Optimize Your Research

# Recombinant Human Protein Disulfide Isomerase protein

## Code CD01147

**Storage:** This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

### Intended Use

This product is for research use only, not for use in diagnosis procedures. It is highly recommended to read this instruction entirely before the use.

### Source

Escherichia coli.

### Molecular Weight

Approximately 56.6 kDa, a single non-glycosylated polypeptide chain containing 502 amino acids. (MRGSGSHHHHHH-PDI).

### Purity

> 95 % by SDS-PAGE and HPLC analyses.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.0.

### Sequence

MRGSGSHHHH HHAPEEEDHV LVLKSNFAE ALAAHKYLLV EFYAPWCGHC KALAPEYAKA AGKKAEGSE IRLAKVDATE  
ESDLAQQYGV RGYPTIKFFR NGDTASPKEY TAGREADDIV NWLKKRTGPA ATTLPDGAAA ESLVESSEVA VIGFFKDVES DSAKQFLQAA  
EAIDDIPFGI TSNSDVFSKY QLDKDGVVLV KKFDEGRNMF EGEVTKENLL DFIKHNQLPL VIEFTEQTAP KIFGGEIKTH ILLFLPKSVS  
DYDGKLSNFK TAAESFKGKI LFIFIDSDHT DNQRILEFFG LKKEECPAVR LITLEEEMTK YKPESEELTA ERITEFCHRF LEGKIKPHLM  
SQELPEDWDK QPVKVLVGKN FEDVAFDEKK NVFVEFYAPW CGHCKQLAPI WDKLGETYKD HENIVIAKMD STANEVEAVK VHSFPTLKFF  
PASADRTVID YNGERTLDGF KKFLESGGQD GAGDDDDLED LEEAEEPME EDDQKAVKD EL

### Endotoxin

Less than 1EU/µg of rHuPDI as determined by LAL method.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

If you have any question on order please contact us via: [order@bt-laboratory.com](mailto:order@bt-laboratory.com); technical assistance please contact us via: [support@bt-laboratory.com](mailto:support@bt-laboratory.com) More product visit [www.bt-laboratory.com](http://www.bt-laboratory.com)