



Product Data Sheet

□ Cat # RP-378

Recombinant Disulfide Bond Isomerase

Size: □ 10 ug

Dsb proteins (DsbA, DsbB, DsbC, and DsbD) catalyze formation and isomerization of protein disulfide bonds in the periplasm of *Escherichia coli*. DsbC is periplasmic enzyme known as a disulfide isomerase and can convert aberrant disulfide bonds to correct ones.

Usage: This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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Source: *Escherichia Coli*. Disulfide-Bond Isomerase Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 216 amino acids (21-236) and having a molecular mass of 23.5 kDa. DsbC is purified by proprietary chromatographic techniques. 1 mg/ml solution containing 20mM phosphate buffer pH 7.5 and 20mM EDTA.

Applications and Suggested Dilutions: Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. 1. Western blot 2. ELISA Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: Disulfide-Bond Isomerase Recombinant although stable at 14°C for 1 week, should be stored desiccated below -18°C. **Please prevent freeze-thaw cycles.** If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.