

Copper Chaperone for Superoxide Dismutase Human Recombinant

Item Number	rAP-4866
Synonyms	
Description	CCS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 294 amino acids (1-274a.a.) and having a molecular weight of 31.2kDa. The CCS is fused to a 20a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	O14618
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MASDSGNQGT LCTLEFAVQM TCQSCVDAVR KSLQGAVGVQ DVEVHLEDQM VLVHTTLPSQ EVQALLEGTG RQAVLKGMGS GQLQNLGAAV AILGGPGTVQ GVVRFLLQTP ERCLIEGTID GLEPGLHGLH VHQYGDLTNN CNSCGNHFNPDGASHGGPQD SDRHR- GDLGN VRADADGRAI FRMEDEQLKV WDVIGRSLII DEGEDDLGRG GHPLSKITGN SGERLACGII AR- SAGLFQNP KQICSCDGLT IWEERGRPIA GKGRKESAQP PAHL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The CCS protein solution (1mg/1ml) contains 20 mM Tris-HCl buffer (pH8.0), 1mM DTT, 0.2M NaCl and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
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**