

32-3264: ATOX1 Recombinant Protein

Alternative Name : Antioxidant protein 1,ATX1,HAH1,Copper transport protein ATOX1,Metal transport protein ATX1,ATOX1,MGC138453,MGC138455.

Description

Source : Escherichia Coli. ATOX1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 88 amino acids (1-68 a.a.) and having a molecular mass of 9.5kDa. ATOX1 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. ATOX1 is a metal transport protein that is part of the ATX1 family. ATOX1 is a copper chaperone that takes part in cellular antioxidant defense and can bind and deliver cytosolic copper to the copper ATPase proteins in the trans-Golgi network for later incorporation to the ceruloplasmin. ATOX1 plays a role as an antioxidant against superoxide and hydrogen peroxide, and consequently, takes an important part in cancer carcinogenesis. Because of ATOX1 cytogetic location, the gene can be a good a candidate gene for 5q-syndrome.

Product Info

Amount : 20 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : ATOX1 solution containing 20mM Tris pH-8, 1mM DTT and 10% glycerol.
Storage condition : 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).Please prevent freeze thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MPKHEFSVDM TCGGCAEAVS RVLNKLGGVK YDIDLPNKKV
CIESEHSMdT LLATLKKTGK TVSYLGL.

