

CUTC Human

Description: CUTC Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 293 amino acids (1-273 a.a) and having a molecular mass of 31.5kDa. CUTC is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-918

For research use only.

Synonyms: Copper homeostasis protein cutC homolog, CUTC, CGI-32, RP11-483F11.3.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MKRQGASSER KRARIPSGKA
GAANGFLMEV CVDSVESAVN AERGGADRIE LCSGLSEGGT TPSMGVLQVV KQSVQIPVFV
MIRPRGGDFL YSDREIEVMK ADIRLAKLYG ADGLVFGALT EDGHIDKELC MSLMAICRPL
PVTFHRAFDV VHDPMAALET LLTLGFERVL TSGCDSSALE GLPLIKRLIE QAKGRIVVMP
GGGITDRNLQ RI

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

CUTC protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 10% glycerol and 200mM NaCl.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

CUTC belongs to the Cut family and may be involved in efflux trafficking of cuprous ion. The Cut family is linked with the copper homeostasis and involved in several vital metabolisms, such as uptake, storage, delivery, and efflux of copper. Copper which is an essential heavy metal trace element has an imperative role in cell physiology.

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