
Product Data Sheet

Product Name: CUTA Human
 Cat. No.: GP23277
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ACHAP; C6orf82; MGC111154; cutA divalent cation tolerance homolog; CUTA.		
Amino Acid Sequence	MRLLLLPRVL LTMASGSPPT QPSPASDSGS GYVPGSVSAA FVTC PNEKVA KEIARAVVEK RLAACVNLI P QITSIYEWKG KIEEDSEVLM MIKTQSSLVP ALTD FVRSVH PYEVAEVI AL PVEQGNFPYL QWVRQVTESV SDSITVLPLE HHHHHH.		
Formulation	CUTA Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, and 10% glycerol.		

Introduction

CUTA is the 179 amino acid mammalian homolog of the cutA E. coli protein and is ubiquitously expressed, particularly in brain tissue. CUTA participates in cellular tolerance to a broad range of divalent cations other than copper. The CUTA protein is a cytoplasmic protein, encoded by the single-gene operon and has been related to divalent cation tolerance.

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). Please prevent freeze thaw cycles.

Background

CUTA Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 156 amino acids (33-179 a.a.) and having a molecular mass of 17.1 kDa. CUTA protein is fused to an 8 amino acid His-Tag at C-terminus and purified by standard chromatography.

Caution: Product has not been fully validated for medical applications. For research use only.

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