
Product Data Sheet

Product Name: CLTA Human
 Cat. No.: GP23180
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Clathrin light chain A; Lca; CLTA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHEMAELDP FGAPAGAPGG PALGNGVAGA GEEDPAAAFLL AQQESEIAGI ENDEAFALD GGAPGPQPHG EPPGGPDAVD GVMNGEYYQE SNGPTDSYAA ISQVDRLQSE PESIRKWREE QMERLEALDA NSRKQEA EWK EKAIKELEEW YARQDEQLQK TKANNRAAEE AFVNDIDESS PGTEWERVER LCDFNPKSSK QAKDVSRMRS VLISLKQAPL VH.		
Formulation	CLTA protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.		

Introduction

Clathrin, light chain A (CLTA) is a member of the clathrin family. Clathrin, which is a large, soluble protein, is comprised of heavy and light chains. CLTA is one of 2 clathrin light chain proteins which are supposed to function as regulatory elements. CLTA is a key cytosolic coat protein in pits and vesicles originating from the plasma membrane and the trans-Golgi network. In receptor-mediated endocytosis, receptor proteins are encapsulated by Clathrin-coated vesicles.

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.

Background

CLTA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 242 amino acids (1-218 a.a) and having a molecular mass of 26.2kDa

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

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(Molecular weight on SDS-PAGE will appear higher).CLTA is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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