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MAP1LC3A Human

Catalog #:PRPS-502

For research use only.

Description:MAP1LC3A Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 128 amino acids (1-120 a.a.) and having a molecular mass of 15.1 kDa. The MAP1LC3A is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Synonyms:ATG8E, LC3, LC3A, MAP1ALC3, MAP1BLC3, MLP3A.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MPSDRPFKQR RSFADRCKEV QQIRDQHPSK IPVIIERYKG EKQLPVLDKT KFLVPDHVNM SELVKIIRRR LQLNPTQAFF LLVNQHSMVSVSTPIADIYE QEKDEDGFLY MVYASQETFG LEHHHHHH.

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

Formulation:
1mg/ml solution containing 20mM Tris pH-8, 1mM DTT, 0.1M NaCl & 10% glycerol.

Stability:
MAP1LC3A Human althoμgh stable at 4C for 1 week, should be stored desiccated below -18C. Please prevent freeze thaw cycles.

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

Introduction:
MAP1LC3A takes part in formation of autophagosomal vacuoles and is one of the light chain subunits that functions together with both MAP1A and/or MAP1B. MAP1LC3A has an important part in neuronal development and in maintaining the balance between neuronal plasticity and rigidity. MAP1LC3A is expressed as two alternatively spliced isoforms that are expressed in testis, brain, heart, liver and skeletal muscle, but are absent in thymus and peripheral blood leukocytes.

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