9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BLOC1S5 Human

Biogenesis of Lysosomal Organelles Complex-1, Subunit 5 Human Recombinant RCP0224

Product Overview

Name	BLOC1S5 Human

Description

Biogenesis of Lysosomal Organelles Complex-1, Subunit 5 Human Recombinant

Accession (Primary)	Q8TDH9

Synonyms

Biogenesis of lysosome-related organelles complex 1 subunit 5, BLOC-1 subunit 5, Protein Muted homolog, BLOC1S5, MUTED.

Introduction

Muted homolog (MUTED) is a component of the BLOC-1 complex, a complex which is necessary for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes. The BLOC-1 complex is needed to steer membrane protein cargos into vesicles assembled at cell bodies for release into neurites and nerve terminals. In addition, this complex, along with SNARE proteins, is suggested to be involved in neurite extension. MUTED also interacts with pallidin, dystrobrevin binding protein 1 and CNO/cappuccino. MUTED is ubiquitously expressed with higher levels in the brain, bone marrow, kidney, and liver and lower levels in the skeletal muscle.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

BLOC1S5 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 40% glycerol, 2mM DTT, 0.1mM PMSF and 1mM EDTA.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

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MGSSHHHHHH SSGLVPRGSH MGS MSGGGTE TPVGCEAAPG GGSKKRDSLG TAGSAHLIIK DLGEIHSRLL DHRPVIQGET RYFVKEFEEK RGLREMRVLE NLKNMIHETN EHTLPKCRDT MRDSLSQVLQ RLQAANDSVC RLQQREQERK KIHSDHLVAS EKQHMLQWDN FMKEQPNKRA EVDEEHRKAM ERLKEQYAEM EKDLAKFSTF .

Precautions

BLOC1S5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8TDH9)