

Recombinant Human Muted Homolog (mouse), His-tagged

Cat. No. MUTED-6946H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MUTED protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-187aa
Description	MUTED is involved in the development of lysosome related organelles, such as melanosomes and platelet dense granules. MUTED interacts with pallidin, dystrobrevin binding protein 1 and CNO/cappuccino. It is part of the biogenesis of lysosome related organelles complex 1 (BLOC1). Also, MUTED is ubiquitously expressed with higher levels in brain, bone marrow, kidney, and liver and lower levels in skeletal muscle.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 40% glycerol, 2mM DTT, 0.1mM PMSF, 1mM EDTA.
Molecular Mass	24 kDa (210aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSSGGGTE TPVGCEAAPG GGSKKRDSLGTAGSAHLIIK DLGEIHSRLL DHRPVIQGET RYFVKEFEEL RGLREMRVLE NLKNMIHETN EHTLPKCRDT MRDLSLQVLQ RLQAANDSVC RLQQREQERK KIHSDHLVAS EKQHMLQWDN FMKEQPNKRA EVDEEHRKAM ERLKEQYAEM

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	EKDLAKFSTF
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MUTED muted homolog (mouse) [Homo sapiens]
Official Symbol	MUTED
Synonyms	MUTED; muted homolog (mouse); protein Muted homolog; dJ303A1.3; MU; FLJ18427; DKFZp686E2287;
Gene ID	63915
mRNA Refseq	NM_001199322
Protein Refseq	NP_001186251
MIM	607289
UniProt ID	Q8TDH9
Chromosome Location	6p25.1-p24.3

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Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Lysosome Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem;
Function	protein binding;

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