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ATP6V1F Human

ATPase Transporting, Lysosomal V1 Subunit F Human Recombinant
RCP0147

Product Overview

Name	ATP6V1F Human

Description

ATPase Transporting, Lysosomal V1 Subunit F Human Recombinant

Accession (Primary)	Q16864

Synonyms

ATP6S14, VATF, Vma7, V-type proton ATPase subunit F, V-ATPase 14 kDa subunit.

Introduction

ATPase Transporting, Lysosomal V1 Subunit F (ATP6V1F) is a component of vacuolar ATPase (V-ATPase); it is a multi-subunit enzyme, which mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is required for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is comprised of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain contains 3 A and 3 B subunits, 2 G subunits as well as the C, D, E, F, and H subunits. The V1 domain has the ATP catalytic site. The V0 domain consists of 5 different subunits: a, c, c', c', and d.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

ATP6V1F protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 50% glycerol and 1mM DTT.

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

MGSSHHHHHH SSGLVPRGSH MGS MAGRGKL IAVIGDEDTV TGFLLGGIGE LNKNRHPNFL VVEKDTTINE IEDTFRQFLN RDDIGIILIN QYIAEMVRHA LDAHQQSIPA VLEIPSKEHP YDAAKDSILR RARGMFTAED LR.

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Precautions

ATP6V1F Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q16864)