

Product datasheet for AR51497PU-N

OriGene Technologies, Inc.

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CD298 / ATP1B3 (His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: CD298 / ATP1B3 (His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MGSTMWVMLQ TLNDEVPKYR DQIPSPGLMV FPKPVTALEY

or AA Sequence: TFSRSDPTSY AGYIEDLKKF LKPYTLEEQK NLTVCPDGAL FEQKGPVYVA CQFPISLLQA

CSGMNDPDFG YSQGNPCILV KMNRIIGLKP EGVPRIDCVS KNEDIPNVAV YPHNGMIDLK

YFPYYGKKLH VGYLQPLVAV QVSFAPNNTG KEVTVECKID GSANLKSQDD RDKFLGRVMF KITARA

Tag: His-tag
Predicted MW: 27.4 kDa

Concentration: lot specific

Purity: >80% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.15M NaCl, 1 mM

DTT

Preparation: Liquid purified protein

Protein Description: Recombinant human ATP1B3 protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: <u>NP 001670</u>

Locus ID: 483

UniProt ID: P54709

Cytogenetics: 3q23

Synonyms: ATPB-3; CD298





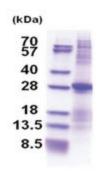
Summary:

The protein encoded by this gene belongs to the family of Na+/K+ and H+/K+ ATPases beta chain proteins, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for this gene, and it is located on chromosome 2. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Protein Pathways: Cardiac muscle contraction

Product images:



15% SDS-PAGE (3ug)