

Recombinant human ARL8/ARL5B protein

Catalog Number: ATGP1155

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-179aa

UniProt No.

Q96KC2

NCBI Accession No.

NP_848930

Alternative Names

ADP-ribosylation factor-like protein 5B, ARL8, ADP ribosylation factor like GTPase 5B, ADP-ribosylation factor-like 8

PRODUCT SPECIFICATION

Molecular Weight

22.5 kDa (199aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 30% glycerol, 0.1M NaCl, 1mM EDTA

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ADP-ribosylation factor-like protein 5B, also known as ARL5B, belongs to a family of proteins that are structurally similar to ADP-ribosylation factors. ARLs and ARFs are part of the RAS superfamily of regulatory GTPases. ARL5B is most closely related to ARL5, with which it shares 80% sequence identity. Human ARL5B shares 100% identity with mouse ARL8 and 71% identity with the Drosophila homolog. Two isoforms of ARL8 exist as a result of alternative splicing events. Recombinant human ARL5B protein, fused to His-tag at N-terminus, was expressed in

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E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

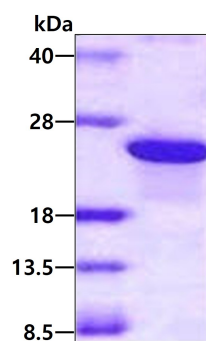
<MGSSHHHHHH SSGLVPRGSH> MGLIFAKLWS LFCNQEHKVI IVGLDNAGKT TILYQFLMNE VVHTSPTIGS NVEEIVVKNT
HFLMWDIGGQ ESLRSSWNTY YSNTEFIILV VDSIDRERLA ITKEELYRML AHEDLRKAAV LIFANKQDMK GCMTAAEISK
YLTLSSIKDH PWHIQSCCAL TGEGLCQGLE WMTSRIGVR

General References

Kahn R A., et al. (2006) J Biol Chem. 172:645-650.
Swbald E., et al. (2003) Gene. 311:147-151.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.