

Recombinant Human ARL5B, His-tagged

Cat. No. ARL5B-3614H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARL5B 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
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 30% glycerol, 0.1M NaCl, 1mM EDTA
Molecular Weight	22.5 kDa (199aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGLIFAKLWS LFCNQEHKVI IVGLDNAGKT TILYQFLMNE VVHTSPTIGS NVEEIVVKNT HFLMWDIGGQESLRSSWNTY

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YSNTEFIILV VDSIDRERLA ITKEELYRML AHEDLRKAAV LIFANKQDMK
GCMTAAEISK YLTLSSIKDH PWHIQSCCAL TGEGLCQGLE WMTSRIGVR

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.

GENE INFORMATION
Gene Name

[ARL5B ADP-ribosylation factor-like 5B \[Homo sapiens \]](#)

Official Symbol

ARL5B

Synonyms

ARL5B; ARL8; ADP-ribosylation factor-like protein 5B; OTTHUMP00000019260; ADP-ribosylation factor-like 8; ADP-ribosylation-like factor 8; ADP-ribosylation factor-like protein 8

Gene ID

[221079](#)

mRNA Refseq

[NM_178815](#)

Protein Refseq

[NP_848930](#)

MIM

[608909](#)

UniProt ID

[Q96KC2](#)

**Chromosome
Location**

10p12.31

Function

GTP binding; nucleotide binding

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