

## Recombinant Human ARL5B, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human ARL5B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 30% glycerol, 0.1M NaCl, 1mM EDTA
<b>Molecular Weight</b>	22.5 kDa (199aa), confirmed by MALDI-TOF
<b>Purity</b>	> 90% by SDS - PAGE
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	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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