

Recombinant Human ARL11, His-tagged

Cat. No. ARL11-3557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARL11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-196aa).
Species	Human
Source	E.coli
Description	ARL11(ADP-ribosylation factor-like protein 11), is a member of the ARF family of the Ras superfamily of small GTPases that are known to be involved in multiple regulatory pathways altered in human carcinogenesis. ARFs are highly conserved guanine nucleotide binding proteins that enhance the ADP-ribosyltransferase activity of cholera toxin. ARFs are important in eukaryotic vesicular trafficking pathways and they play an essential role in the activation of phospholipase D (PC-PLD). ARL11 is thought to function as a tumor suppressor that may play a role in the regulation of apoptosis.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 30% glycerol, 100mM NaCl, 1mM EDTA.
Molecular Weight	23.6kDa (216aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)

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Sequences Of Amino Acids

MGSSHHHHHH SSGLVPRGSH MGSVNSRGHK AEAQVMMGL DSAGKTTLLY
 KLKGHQLVET LPTVGFNVEP LKAPGHVSLT LWDVGGQAPL RASWKDYLEG
 TDILVYVLDS TDEARLPESA AELTEVLNDP NMAGVPFLVL ANKQEAPDAL
 PLLKIRNRLS LERFQDHCWE LRGCSALTGE GLPEALQSLW SLLKSRSCMC
 LQARAHGAER GDSKRS.

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 [ARL11 ADP-ribosylation factor-like 11 \[Homo sapiens \]](#)

Official Symbol [ARL11](#)

Synonyms ARL11;ADP-ribosylation factor-like 11; ARLTS1; FLJ33930; MGC17429; ADP-ribosylation factor-like protein 11; OTTHUMP00000018420; ADP-ribosylation factor-like tumor suppressor protein 1

Gene ID [115761](#)

mRNA Refseq [NM_138450](#)

Protein Refseq [NP_612459](#)

MIM [609351](#)

UniProt ID [Q969Q4](#)

Chromosome Location 13q14.2

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Function

GTP binding; nucleotide binding; protein binding

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