Recombinant Human ADP-Ribosylation Factor-Like 14, His-tagged

Cat. No. ARL14-2489H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARL14 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 23.8 kDa.
Species	Human
Source	E.coli
ProteinLength	1-192aa
Description	ARL14 is a developmentally regulated member of the ADP-ribosylation factor/ARF-like protein family of Ras-related GTPases. MHC class II molecules present peptides to T helper cells to facilitate immune responses and are strongly linked to autoimmune diseases. MHC-II transport was controlled by the GTPase ARL14/ARF7, which recruits the motor myosin 1E via an effector protein ARF7EP.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 40% glycerol, 200mM NaCl, 1mM EDTA.
Molecular Mass	23.8kDa (212aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher).
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSLGSKNPQ TKQAQVLLLG LDSAGKSTLL YKLKLAKDIT TIPTIGFNVE MIELERNLSL TVWDVGGQEK MRTVWGCYCE

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	NTDGLVYVVD STDKQRLEES QRQFEHILKN EHIKNVPVVL LANKQDMPGA LTAEDITRMF KVKKLCSDRN WYVQPCCALT GEGLAQGFRK LTGFVKSHMK SRGDTLAFFK QN
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	ARL14 ADP-ribosylation factor-like 14 [Homo sapiens]
Official Symbol	ARL14
Synonyms	ARL14; ADP-ribosylation factor-like 14; ADP ribosylation factor 7 , ARF7; ADP-ribosylation factor-like protein 14; FLJ22595; ADP-ribosylation factor 7; ARF7;
Gene ID	80117
mRNA Refseq	NM_025047
Protein Refseq	NP_079323
MIM	614439
UniProt ID	Q8N4G2

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Chromosome Location	3q25.33
Function	GTP binding; nucleotide binding; protein binding;

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