

Product information

ARL14, 1-192aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1219

Full name: ADP-ribosylation factor-like protein 14

NCBI Accession No.: NP_079323

Synonyms: ARF7

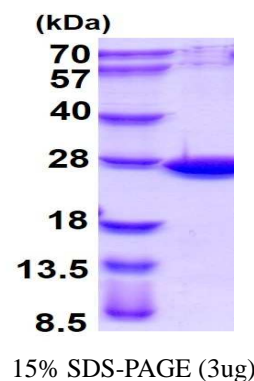
Description: ARL14 (ADP-ribosylation factor-like 14) is a developmentally regulated member of the ADP-ribosylation factor/ARF-like protein (ARF/ARL) family of Ras-related GTPases. MHC class II molecules (MHC-II) present peptides to T helper cells to facilitate immune responses and are strongly linked to autoimmune diseases. MHC-II transport was controlled by the GTPase ARL14/ARF7, which recruits the motor myosin 1E via an effector protein ARF7EP. Recombinant human ARL14 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 40% glycerol, 200mM NaCl, 1mM EDTA

Molecular Weight: 23.8kDa (212aa), confirmed by MALDI-TOF
(Molecular weight on SDS-PAGE will appear higher)

Purity: > 90% by SDS - PAGE

Concentration: 0.25mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSLGSKNPQ TKQAQVLLLG LDSAGKSTLL YKLKLAQDIT TIPTIGFNVE MIELERNLSL TVWDVGGQEK
MRTVWGCYCE NTDGLVYVVD STDKQRLEES QRQFEHILKN EHIKNVPVVL LANKQDMPGA LTAEDITRMF KVKKLCSDRN WYVQPCCALT
GGLAQGFRK LTGFVKSHMK SRGDTLAFFK QN

General references:

Paul P, *et al.* (2011) *Cell*. 145(2):268-83.

Imami K., *et al.* (2008) *Anal. Sci.* 24:161-166

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.