

Recombinant Human ARL6, His-tagged

Cat. No. ARL6-26185TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ARL6 with an N terminal His tag; 206 amino acids with the tag; predicted MWt: 23.2 kDa.
Species	Human
Source	E.coli
ProteinLength	186 amino acids
Description	The protein encoded by this gene belongs to the ARF family of GTP-binding proteins. ARF proteins are important regulators of cellular traffic and are the founding members of an expanding family of homologous proteins and genomic sequences. They depart from other small GTP-binding proteins by a unique structural device that implements front-back communication from the N-terminus to the nucleotide-binding site. Studies of the mouse ortholog of this protein suggest an involvement in protein transport, membrane trafficking, or cell signaling during hematopoietic maturation. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been described.
Conjugation	HIS
Molecular Weight	23.200kDa inclusive of tags
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.2M Sodium chloride, 5mM DTT, 20mM Tris HCl, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH SGQGRYRNLW EHYKKEGQAI IFVIDSSDRL RMVVAKEELD TLLNHPDIKH RRIPILFFAN KMDLRDAVTS VKVSQLLCLE NIKDKPWHIC MGLLDRLSVL LGLKKKEVHV LCLGLDNSGK TTIINKLKPS NAQSQNILPT IGFSIEKFKS SLSFTVFDMA ASDAIKGEGL QEGVDWLQDQ IQTVKT
Sequence Similarities	Belongs to the small GTPase superfamily. Arf family.

GENE INFORMATION

Gene Name	ARL6 ADP-ribosylation factor-like 6 [Homo sapiens]
Official Symbol	ARL6
Synonyms	ARL6; ADP-ribosylation factor-like 6; BBS3; ADP-ribosylation factor-like protein 6;
Gene ID	84100
mRNA Refseq	NM_177976
Protein Refseq	NP_816931
MIM	608845

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Uniprot ID	Q9H0F7
Chromosome Location	3q11.2
Function	GTP binding; metal ion binding; nucleotide binding; phospholipid binding;

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