

Recombinant Human ARL4D, His-tagged

Cat. No. ARL4D-27056TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ARF4L with N terminal His tag; 221 amino acids with tag, Predicted MWt 24.3 kDa.
Species	Human
Source	E.coli
ProteinLength	201 amino acids
Description	ADP-ribosylation factor 4D is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4D is closely similar to ARL4A and ARL4C and each has a nuclear localization signal and an unusually high guanine nucleotide exchange rate. This protein may play a role in membrane-associated intracellular trafficking. Mutations in this gene have been associated with Bardet-Biedl syndrome (BBS).
Conjugation	HIS
Molecular Weight	24.300kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.03% DTT, 20% Glycerol, 1.17% Sodium chloride

 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

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	MGSSHHHHHHSSGLVPRGSHMGNHITEMAPTASSFLPHFQ ALHVVVIGLDSAGKT SLLYRLKFKEFVQSVPTKGFNTE KIRVPLGGSRGITFQVWDVGGQEKLRPLWRSYT RRTDGLV FVVDAAEAERLEEAKVELHRISRASDNQGVPLVLANK QDQPGALSAA EVEKRLAVRELAATLTHVQGCSAVDGLGL QQGLERLYEMILKRKKAARGGKKRR
Sequence Similarities	Belongs to the small GTPase superfamily. Arf family.
GENE INFORMATION	
Gene Name	ARL4D ADP-ribosylation factor-like 4D [Homo sapiens]
Official Symbol	ARL4D
Synonyms	ARL4D; ADP-ribosylation factor-like 4D; ADP ribosylation factor 4 like , ARF4L; ADP-ribosylation factor-like protein 4D;
Gene ID	379
mRNA Refseq	NM_001661
Protein Refseq	NP_001652
MIM	600732
Uniprot ID	P49703
Chromosome Location	17q12-q21

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Function

GTP binding; GTPase activity; nucleotide binding; protein binding;

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