

Recombinant Human ARNTL Protein(1-303 aa), His-tagged

Cat. No. ARNTL-9879H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARNTL Protein(1-303 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-303 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MADQRMDISSTISDFMSPGPTDLLSSSLGTSGVDCNRKRKGSSTDYQESMDTDKD DPHGRLEYTEHQGRIKNAREAHSQIEKRRRDKMNSFIDELASLVPTCNAMSRKLDKL TVLRMAVQHMKTLRGATNPYTEANYKPTFLSDELKHLILRAADGFLFVVGCDRGKI LFVSESVFKILNYSQNDLIGQSLFDYLHPKDIKVKEQLSSSDTAPRERLIDAKTGLPV KTDITPGPSRLCSGARRSFFCRMKCNRPVSVKVEDKDFPSTCSKKKDRKSFCTIHST GYLKSWPPTKMGLDEDNEP
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

GENE INFORMATION

Gene Name ARNTL aryl hydrocarbon receptor nuclear translocator-like [Homo sapiens]

Official Symbol ARNTL

Synonyms ARNTL; aryl hydrocarbon receptor nuclear translocator-like; aryl hydrocarbon receptor nuclear translocator-like protein 1; bHLHe5; BMAL1; JAP3; MOP3; PASD3; bHLH-PAS protein JAP3; member of PAS protein 3; member of PAS superfamily 3; brain and muscle ARNT-like 1; PAS domain-containing protein 3; ARNT-like protein 1, brain and muscle; basic-helix-loop-helix-PAS orphan MOP3; basic-helix-loop-helix-PAS protein MOP3; class E basic helix-loop-helix protein 5; TIC; BMAL1c; MGC47515

Gene ID 406

mRNA Refseq NM_001030272

Protein Refseq NP_001025443

MIM 602550

UniProt ID O00327

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