



# Recombinant Mouse Aryl hydrocarbon receptor nuclear translocator-like protein 1 (Arntl)

<b>Product Code</b>	CSB-EP895734MO-B
<b>Abbreviation</b>	Arntl
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9WTL8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MADQRMDISS TISDFMSPGP TDLLSGSLGT SGVDCNRKRK GSATDYQLDD FAFEESMDTD KDDPHGRLEY AEHQGRIKNA REAHSQIEKR RRDKMNSFID ELASLVPTCN AMSRKLDKLT VLRMAVQHMK TLRGATNPYT EANYKPTFLS DDELKHLILR AADGFLFVVG CDRGKILFVS ESVKILNYS QNDLIGQSLF DYLHPKDIK VKEQLSSSDT APRERLIDAK TGLPVKTDIT PGPSRLCSGA RRSFFCRMKC NRPSVKVEDK DFASTCSKKK DRKSFCTIHS TGYLKSWPPT KMGLDEDNEP DNEGCNLSCL VAIGRLHSHM VPQPANGEIR VKSMEYVSRH AIDGKFVVD QRATAILAYL PQELLGTSCY EYFHQDDIGH LAECHRQVLQ TREKITTNCY KFKIKDGSFI TLRSRWFSFM NPWTKEVEYI VSTNTVVLAN VLEGGDPTFP QLTAPPHSMD SMLPSGEGGP KRTHPTVPGI PGGTRAGAGK IGRMIAEEIM EIHRIRGSSP SSCGSSPLNI TSTPPPDASS PGGKILNGG TPDIPSTGLL PGQAQETPGY PYSDSSSILG ENPHIGIDMI DNDQGSSSPS NDEAAMAVIM SLLEADAGLG GPVDFSDLPW PL
<b>Source</b>	E.coli
<b>Target Names</b>	Arntl
<b>Protein Names</b>	Recommended name: Aryl hydrocarbon receptor nuclear translocator-like protein 1 Alternative name(s): Arnt3 Brain and muscle ARNT-like 1
<b>Expression Region</b>	1-632
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This protein is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This complex binds an E-box upstream of the PER1 gene, activating this gene and possibly other circadian rhythm-associated genes. Three transcript variants encoding two different isoforms have been found for this gene.



---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.