

Product datasheet for **TP509553**

Arntl (NM_007489) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse aryl hydrocarbon receptor nuclear translocator-like (Arntl), transcript variant 1, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR209553 protein sequence
Red=Cloning site **Green**=Tags(s)

MADQRMDISSTISDFMSPGPTDLLSGSLGTSGVDCNRKRKGSATDYQESMDTDKDDPHGRLEYAEHQGRI
KNAREAHSQIEKRRRDKMNSFIDELASLVPTCNAMSRKLDKLTVLRMAVQHMKTLRGATNPYTEANYKPT
FLSDDELKHLILRAADGFLFVVGCDRGKILFVSESVFKILNYSQNDLIGQSLFDYLHPKDIKVKEQLSS
SDTAPRERLIDAKTGLPVKTDITPGPSRLCSGARRSFFCRMKCNRPVSVKVEDKDFASTCSKKKADRKSF
TIHSTGYLKSWPPTKMGLDEDNEPDNEGCNLSCLVAIGRLHSHMVPQPANGEIRVKSMEYVSRHAIDGKF
VFVDQRATAILAYLPQELLGTSCYEYFHQDDIGHLAECHRQVLQTREKITTNCYKFKIKDGSFITLRSRW
FSFMNPWTKEVEYIVSTNTVLANVLEGGDPTFPQLTAPPMSMDSMLPSGEGGPKRTHPTVPGIPGGTRA
GAGKIGRMIAEEIMEIHRIRGSSPSSCGSSPLNITSTPPPDASSPGGKILNNGGTPDIPSTGLLPGQAQE
TPGYPSYDSSSILGENPHIGIDMIDNDQSSSSPSNDEAAMAVIMSLLEADAGLGGPVDFSDLPWPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 68.7 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C after receiving vials.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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Locus ID:	11865
UniProt ID:	Q9WTL8 , Q3UHZ2
RefSeq Size:	2921
Cytogenetics:	7 59.17 cM
RefSeq ORF:	1881
Synonyms:	Arnt3; bHLHe5; Bmal1; BMAL1b; bmal1b'; MOP3
Summary:	<p>The protein encoded by this gene is a basic helix-loop-helix protein that forms a heterodimer with Clock. This heterodimer binds E-box enhancer elements upstream of Period (Per1, Per2, Per3) and Cryptochrome (Cry1, Cry2) genes and activates transcription of these genes. Per and Cry proteins heterodimerize and repress their own transcription by interacting in a feedback loop with Clock/Arntl complexes. Defects in this gene have been linked to infertility, problems with gluconeogenesis and lipogenesis, and altered sleep patterns. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2014]</p>