

Aryl hydrocarbon receptor nuclear translocator (ARNT) Recombinant Protein | ARNT recombinant protein

Recombinant Human Aryl hydrocarbon receptor nuclear translocator (ARNT), partial

CATALOG # AAA114122	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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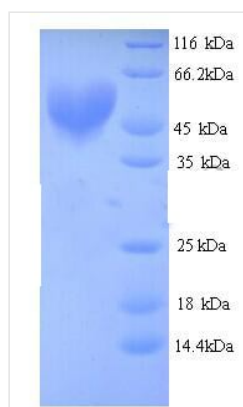
PRODUCT SYNONYMS

Aryl hydrocarbon receptor nuclear translocator (ARNT); Recombinant Human Aryl hydrocarbon receptor nuclear translocator (ARNT); partial; ARNT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-474aa; partial
Sequence	MAATTANPEM TSDVPSLGPA IASGNSGPGI QGGGAIVQRA IKRRPGLDFD DDGEGNSKFL RCDDDDQMSND KERFARSDDDE QSSADKERLA RENHSEIERR RRNKMTAYIT ELSDMVPTCS ALARKPDKLT ILRMAVSHMK SLRGTGNTST DGSYKPSFLT DQELKHLILE AADGFLFIVS CETGRVYVVS DSVTPVLNQP QSEWFGSTLY DQVHPDDVDK LREQLTSEN ALTGRILDLK TGTVKKEGQQ SSMRMCMGSR RSFICRMRCG SSSVDPVSVN RLSFVRNRCR NGLGSVKDGE PHFVVVHCTG YIKAWPPAGV SLPDDDPDPEAG QGSKFCLVAI GRLQVTSSPN CTDMSNVCQP TEFISRHNIE GIFTFVDHRC VATVGYQPQE LLGKNIVEFC HPEDQQLLRD SFQQVVKLKG QVLSVMFRFR SKNQEWLWMR TSSFTFQNPY SDEIEYIICT NTNVKNSSQE PRPT
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ARNT recombinant protein	The aryl hydrocarbon (Ah) receptor is involved in the induction of several enzymes that participate in xenobiotic metabolism. The ligand-free, cytosolic form of the Ah receptor is complexed to heat shock protein 90. Binding of ligand, which includes dioxin and polycyclic aromatic hydrocarbons, results in translocation of the ligand-binding subunit only to the nucleus. Induction of enzymes involved in xenobiotic metabolism occurs through binding of the ligand-bound Ah receptor to xenobiotic responsive elements in the promoters of genes for these enzymes. This gene encodes a protein that forms a complex with the ligand-bound Ah receptor, and is required for receptor function. The encoded protein has also been identified as the beta subunit of a heterodimeric transcription factor, hypoxia-inducible factor 1 (HIF1). A t(1;12)(q21;p13) translocation, which results in a TEL-ARNT fusion protein, is associated with acute myeloblastic leukemia. Three alternatively spliced variants encoding different isoforms have been described for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	309747071
NCBI GeneID	405
NCBI Accession #	NP_001184254.1
NCBI GenBank Nucleotide #	NM_001197325.1
UniProt Accession #	P27540; Q59ED4; Q5QP39; Q8NDC7; B2R9H1; C4AMA1; F8WAP6
Molecular Weight	54.8 kDa
NCBI Official Full Name	aryl hydrocarbon receptor nuclear translocator isoform 4
NCBI Official Synonym Full Names	aryl hydrocarbon receptor nuclear translocator
NCBI Official Symbol	ARNT
NCBI Official Synonym Symbols	HIF1B; TANGO; bHLHe2; HIF1BETA; HIF-1beta; HIF1-beta; HIF-1-beta
NCBI Protein Information	aryl hydrocarbon receptor nuclear translocator
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator
UniProt Gene Name	ARNT
UniProt Synonym Gene Names	BHLHE2; ARNT protein; bHLHe2; HIF-1-beta; HIF1-beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.