Recombinant Human ARNT2 Protein, His-tagged

Cat. No. ARNT2-523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARNT2(Met1~Arg209) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Arg209
Description	This gene encodes a member of the basic-helix-loop-helix-Per-Arnt-Sim (bHLH-PAS) superfamily of transcription factors. The encoded protein acts as a partner for several sensor proteins of the bHLH-PAS family, forming heterodimers with the sensor protein s that bind regulatory DNA sequences in genes responsive to developmental and envi ronmental stimuli. Under hypoxic conditions, the encoded protein complexes with hyp oxia-inducible factor 1alpha in the nucleus and this complex binds to hypoxia-respons ive elements in enhancers and promoters of oxygen-responsive genes. A highly simil ar protein in mouse forms functional complexes with both aryl hydrocarbon receptors and Single-minded proteins, suggesting additional roles for the encoded protein in the metabolism of xenobiotic compounds and the regulation of neurogenesis, respectivel y.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	26.7kDa

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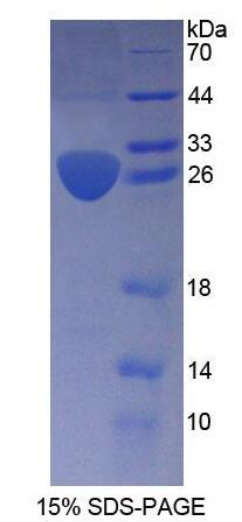
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	ARNT2 aryl-hydrocarbon receptor nuclear translocator 2 [Homo sapiens]
Official Symbol	ARNT2
Synonyms	ARNT2; aryl-hydrocarbon receptor nuclear translocator 2; aryl hydrocarbon receptor nuclear translocator 2; bHLHe1; KIAA0307; ARNT protein 2; class E basic helix-loop-helix protein 1;
Gene ID	9915
mRNA Refseq	NM_014862

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Protein Refseq	NP_055677
MIM	606036
UniProt ID	Q9HBZ2



15% SDS-PAGE

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