

Recombinant Mouse Ahr protein, His/GST-tagged

Cat. No. Ahr-145M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ahr(Val126~Gly385) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val126~Gly385
Description	The protein encoded by this gene is a ligand-activated helix-loop-helix transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Before ligand binding, the encoded protein is sequestered in the cytoplasm; upon ligand binding, this protein moves to the nucleus and stimulates transcription of target genes. Two transcript variants encoding different isoforms have been found for this gene.
Form	20mM Tris, 150mM NaCl,pH8.0,1mM EDTA, 1mM DTT, 0.01%skl, 5% Trehalose and Proclin300
Molecular Mass	59.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

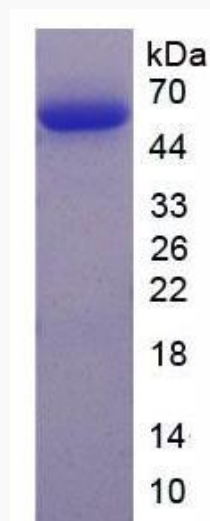
GENE INFORMATION

Gene Name	Ahr aryl-hydrocarbon receptor [Mus musculus]
Official Symbol	Ahr
Synonyms	AHR; aryl-hydrocarbon receptor; aryl hydrocarbon receptor; ah receptor; dioxin receptor; Ah; In; Ahh; Ahre; bHLHe76;
Gene ID	11622
mRNA Refseq	NM_013464
Protein Refseq	NP_038492
UniProt ID	P30561

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