

# Recombinant Full Length Human AHRR Protein, GST-tagged

**Cat. No.** AHRR-950HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human AHRR full-length ORF ( AAI60162.1, 1 a.a. - 719 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 719 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The protein encoded by this gene participates in the aryl hydrocarbon receptor (AhR) signaling cascade, which mediates dioxin toxicity, and is involved in regulation of cell growth and differentiation. It functions as a feedback modulator by repressing AhR-dependent gene expression. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jun 2011]                                          |
| <b>Molecular Mass</b>   | 79.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MPRTMIPPGE CTYAGRKRRR PLQKQRPAVG AEKSNPSKRH RDRLNAELDH<br>LASLLPFPDP IISKLDKLSV LRLSVSYLRV KSFFQVVQEQ SSRQPAAGAP<br>SPGDSCPLAG SAVLEGRLLL ESLNGFALVV SAEGTIFYAS ATIVDYLGFH<br>QTDVMHQNIY DYIHVDDRQD FCRQLHWAMD PPQVVFQPP PLETGDDAIL<br>GRLLRAQEWG TGTPTEYSAF LTRCFICRVR CLLDSTSGFL ARGSQAWQLR<br>LCCPEPLMTM QFQGKLFKFLF GQKKKAPSGA MLPPRLSLFC IAAPVLLPSA<br>AEMKMRSALL RAKPRADTAA TADAKVKATT SLCESELHGK PNYSAGRSSR<br>ESGVLVLREQ TDAGRWAQVP ARAPCLCLRG GPDVLVDPKG GSGDREEEQH |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RMLSRASGVT GRRETPGPTK PLPWTAGKHS EDGARPRLQP SKNDPPSLRP  
 MPRGSCCLPCP CVQGTFRNSP ISHPPSPSPS AYSSRTSRPM RDVGEDQVHP  
 PLCHFPQRS L QHQLPQPGAQ RFATRGYPM DMKLQGVMP PGDLGPTLL  
 LDVSIKMEKD SGCEGAADGC VPSQVWLGAS DRSHPATFPT RMHLKTEPDS  
 RQQVYISHLG HGVRGAQPHG RATAGRSREL TPFHPAHCAC LEPTDGLPQS  
 EPPHQLCARG RGEQSCTCRA AEAAPVVKRE PLDSPQWATH SQGMVPGMLP  
 KSALATLVPP QASGCTFLP

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

AHRR aryl-hydrocarbon receptor repressor [ Homo sapiens ]

**Official Symbol**

AHRR

**Synonyms**

AHRR; aryl-hydrocarbon receptor repressor; AHH, AHHR, aryl hydrocarbon receptor regulator; aryl hydrocarbon receptor repressor; bHLHe77; KIAA1234; ahR repressor; dioxin receptor repressor; aryl hydrocarbon hydroxylase regulator; class E basic helix-loop-helix protein 77; AHH; AHHR; MGC167813; MGC176630

**Gene ID**

57491

**mRNA Refseq**

NM\_001242412

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|                |              |
|----------------|--------------|
| Protein Refseq | NP_001229341 |
| MIM            | 606517       |
| UniProt ID     | A9YTQ3       |

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