

Recombinant Human Aryl hydrocarbon Receptor protein ab152176

1 Image

Description

Product name	Recombinant Human Aryl hydrocarbon Receptor protein		
Expression system	Wheat germ		
Accession	<u>P35869</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	MNSSSANITYASRKRKPVQKTVKPIPAEGIKSNPSKRHR DRLNTELDRL ASLLPFPQDVINKLDKLSVLRLSVSYLRAKSFFDVALKSS PTERNGGQDN CRAANFREGNLQEGEFLLQALNGFVLVTTDALVFYASS TIQDYLGFQQ SDVIHQSVYELIHTEDRAEFQRQLHWALNPSQCTESGQGI EEATGLPQTV VCYNPDQIPPENSPLMERCFCRLRCLLDNSSGFLAMNFQ GKLKYLHGQK KKGKDGSILPPQLALFAIATPLQPPSILEIRTKNFIFRTKHKL DFTPIGC DAKGRIVLGYTEAELCTRGSYQFIHAADMLYCAESHIRMI KTGESGMV FRLLTKNNRWTWVQSNARLLYKNGRPDYIIVTQRPLTDEE GTEHLRKRNT KLPFMFTTGEAVLYEATNPFPAMDPLPLRTKNGTSGKDS ATTSTLSKDS LNPSSLLAAMMQQDESMYPASSTSSTAPFENFFNESM NECRNWQDNT APMGNDTLKHEQIDQPQDVNSFAGGHPGLFQDSKNSDL YSIMKNLGIDF EDIRHMQNEKFFRNDFSGEVDFRDIDLTDEILTYVQDSLK SPFIPSDYQ QQQSLALNSSCMVQEHLHLEQQQQHHQKQVVVEPQQQL CQKMKHMQVNGM		

FENWNSNQFVPFNCPQQDPQQYNVFTDLHGISEFPYKS
 EMDSMPYTQNF
 ISCNQPVLPQHSKCTELDYPMGSEFSPYPTTSSLEDVFT
 CLQLPENQKH
 GLNPQSAITPQTCYAGAVSMYQCQPEPQHHTV/GQMQYN
 PVLPGQQAFLN
 KFGNGVLNETYPAELNNINNTQTTTHLQPLHHPSEARFPF
 DLTSSGFL

Predicted molecular weight	123 kDa including tags
Amino acids	1 to 848
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab152176** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE ELISA Western blot
Form	Liquid
Additional notes	

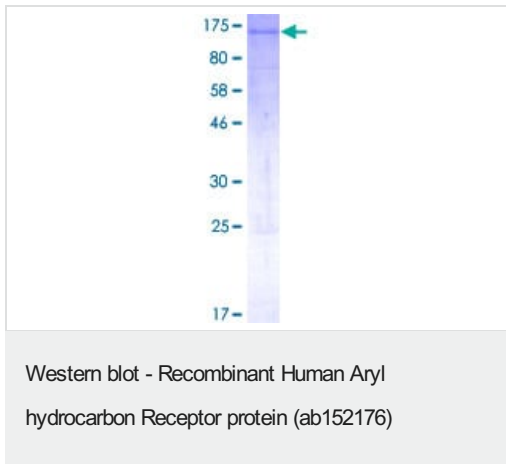
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Ligand-activated transcriptional activator. Binds to the XRE promoter region of genes it activates. Activates the expression of multiple phase I and II xenobiotic chemical metabolizing enzyme genes (such as the CYP1A1 gene). Mediates biochemical and toxic effects of halogenated aromatic hydrocarbons. Involved in cell-cycle regulation. Likely to play an important role in the development and maturation of many tissues.
Tissue specificity	Expressed in all tissues tested including blood, brain, heart, kidney, liver, lung, pancreas and skeletal muscle.
Sequence similarities	Contains 1 basic helix-loop-helix (bHLH) domain. Contains 1 PAC (PAS-associated C-terminal) domain. Contains 2 PAS (PER-ARNT-SIM) domains.
Cellular localization	Cytoplasm. Nucleus. Initially cytoplasmic; upon binding with ligand and interaction with a HSP90, it translocates to the nucleus.

Images



12.5% SDS-PAGE analysis of ab152176 stained with Coomassie Blue.

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