

Product datasheet

Recombinant Human AIP protein ab109934

1 Image

Description

Product name	Recombinant Human AIP protein	
Purity	> 90 % SDS-PAGE. ab109934 is purified using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	O00170	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>MGSSHHHHHSSGLVPRGSHPVWETVCTMREGEIAQF LCDIKHVVL YPL VAKSLRNIAVGKDPLEGQRHCCGVAQMREHSSLGHADL DALQQNPQPLIF HMEMLKVESPGTYQQDPWAMTDEEKAKAVPLIHQEGNR LYREGHVKEAAA KYDAIAACLKNLQMKEQPGSPEWIQLDKQITPLLLNYCQCK LVVEEYEV MADIARLREDGIQKRVIQEGRGELPDFQDGTKATFH YRTL HSDDEGTVL DDSRARGKPMELIIGKKFKLLDHCSSILNKYDDNVKAYFKR GKAAHAVWN AQEAQADFAKVLELDPALAPVVSRELRALEARIRQKDEE DKARFRGIFSH</p>	
Predicted molecular weight	40 kDa including tags	
Amino acids	1 to 330	
Tags	His tag N-Terminus	

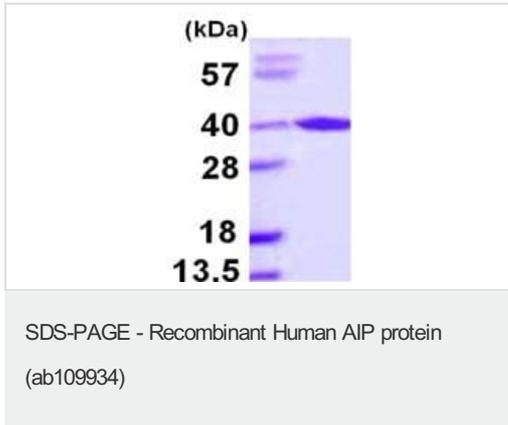
Specifications

Our [Abpromise guarantee](#) covers the use of **ab109934** 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
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	Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid
Preparation and Storage	
Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)
General Info	
Function	May play a positive role in AHR-mediated (aromatic hydrocarbon receptor) signaling, possibly by influencing its receptivity for ligand and/or its nuclear targeting. Cellular negative regulator of the hepatitis B virus (HBV) X protein.
Tissue specificity	Widely expressed. Higher levels seen in the heart, placenta and skeletal muscle. Not expressed in the liver.
Involvement in disease	Defects in AIP are a cause of familial isolated pituitary adenoma (FIPA) [MIM:102200]. Defects in AIP are a cause of growth hormone-secreting pituitary adenoma (GHSPA) [MIM:102200]; also known as familial isolated somatotropinomas (FIS) or isolated familial somatotropinoma (IFS) or familial somatotrophinoma or acromegaly due to pituitary adenoma. Defects in AIP are a cause of ACTH-secreting pituitary adenoma (ASPA) [MIM:219090]; also known as pituitary Cushing disease. A pituitary adenoma resulting in excessive production of adrenocorticotrophic hormone. This leads to hypersecretion of cortisol by the adrenal glands and ACTH-dependent Cushing syndrome. Clinical manifestations of Cushing syndrome include facial and trunkal obesity, abdominal striae, muscular weakness, osteoporosis, arterial hypertension, diabetes. Defects in AIP are a cause of prolactin-secreting pituitary adenoma (PSPA) [MIM:600634]; also known as prolactinoma. Prolactin-secreting pituitary adenoma is the most common type of hormonally active pituitary adenoma.
Sequence similarities	Contains 1 PPlase FKBP-type domain. Contains 2 TPR repeats.
Cellular localization	Cytoplasm.

Images



15% SDS-PAGE showing ab109934 at approximately 39.8 kDa (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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