

## Product datasheet

# Recombinant Human alpha 1 Fetoprotein + PD1 ab190415

### Description

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<b>Product name</b>	Recombinant Human alpha 1 Fetoprotein + PD1	
<b>Purity</b>	> 90 % SDS-PAGE. Expressed in E.coli as inclusion bodies. ab190415 was refolded using “temperature shift inclusion body refolding” technology and chromatographically purified.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q15116</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MTLHRNEYGIASILDSYQCTAEISLADLATIFFAQFVQEATYK EVSKMVK DALTAIEKPTGDEQSSGCLENQLPAFLEELCHEKEILEKYG HSDCCSQSE EGRHNCFLAHKKPTPASIFLQVPEPVTSC EAYEEDRETF MNKFIYEIAR RHPFLYAPTILLWAARYDKIIPSCCKAENAVECFQTKAATV TKELRESSG GSNIEFPGWFLDSPDRPWNPTTFSPALLVVTEGDNATFT CSFSNTSESFV LNWYRMSPSNQTDKLAAFPEDRSQPGQDCRFRVTQLPN GRDFHMSVVRAR RNDSGTYLCGAISLAPKAQIKESLRAELRVTERRAEVPTAH PPSPPRPAG QFQTLV	
<b>Predicted molecular weight</b>	40 kDa including tags	
<b>Amino acids</b>	21 to 170	
<b>Additional sequence information</b>	Extracellular domain, with AFP tag (Human Alpha-Fetal Protein N-terminal domain: 1-198 aa) at N terminal end of PD1.	

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab190415** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Form</b>	Liquid
<b>Additional notes</b>	ab190415 may be used for: <ol style="list-style-type: none"><li>1. <i>In vitro</i> pro-B and T cells differentiation regulation study with this protein as either coating matrix protein or soluble factor.</li><li>2. May be used for protein-protein interaction assay.</li><li>3. As potential diagnostic biomarker protein for monitoring NK, B and T cell activities <i>in vivo</i>.</li><li>4. As antigen for specific antibody production.</li></ol>

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituent: 0.32% Tris HCl  Sterile-filtered, contains NaCl, KCl, EDTA, arginine, DTT and Glycerol.
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## General Info

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<b>Cellular localization</b>	alpha 1 Fetoprotein: Secreted. PD1: Membrane.
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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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