

## Product datasheet

# Recombinant Human PGEA1 protein ab204213

### Description

<b>Product name</b>	Recombinant Human PGEA1 protein	
<b>Purity</b>	> 90 % SDS-PAGE. ab204213 was refolded using a unique “temperature shift inclusion body refolding” technology and chromatographically purified.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q9Y3M2</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MASMTGGQQMGRGHHHHHHENLYFQGPFPGNTFSPKKT PPRKSASLSNLH SLDRSTREVELGLEYGSPTMNLAGQSLKFENGQWIAETG VSGGVDRREVQ RLRRRNQQLEEEENLLRLKVDILLDMLSESTAESHLMEKE LDELISRKR K	
<b>Predicted molecular weight</b>	17 kDa including tags	
<b>Amino acids</b>	2 to 126	
<b>Tags</b>	His-T7 tag N-Terminus	
<b>Additional sequence information</b>	NP_056188.1. Constructed with codon optimization technology and expressed with a small T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal.	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab204213** 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

**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 -80°C.

Avoid freeze / thaw cycle.

pH: 8.00

Constituent: 0.87% Tris HCl

Contains NaCl, KCl, EDTA, arginine, DTT and glycerol.

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## General Info

<b>Function</b>	Inhibits the Wnt/Wingless pathway by binding to beta-catenin and inhibiting beta-catenin-mediated transcriptional activation through competition with TCF/LEF transcription factors. Has also been shown to play a role in regulating the intracellular trafficking of polycystin-2/PKD2 and possibly of other intracellular proteins. Promotes adipocyte and cardiomyocyte differentiation.
<b>Tissue specificity</b>	Widely expressed. Expressed at higher levels in heart, skeletal muscle, kidney and placenta. Also found in brain, lung, liver and testis. Significantly down-regulated in thyroid and metastatic uterine tumors.
<b>Sequence similarities</b>	Belongs to the chibby family.
<b>Cellular localization</b>	Nucleus speckle. Golgi apparatus, trans-Golgi network. Nuclear, in a punctate manner. Also found in the trans-Golgi.

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

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