

# Recombinant Human Activin Receptor Type IIA/ACVR2A protein ab152023

Description	
Product name	Recombinant Human Activin Receptor Type IIA/ACVR2A protein
Purity	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	<b><u>P27037</u></b>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRR HCFATWKNISG SIEIVKQGCWLDDINCYDRDCVEKKDSPEVYFCCCEGN MCNEKFSYFPE MEVTQPTSNPVTTPKPVDDHHHHHH
Predicted molecular weight	14 kDa including tags
Amino acids	20 to 134
Tags	His tag C-Terminus

Specifications	
Our <b><u>Abpromise guarantee</u></b> covers the use of <b>ab152023</b> 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 HPLC
Form	Lyophilized
Additional notes	This product was previously labelled as Activin Receptor Type IIA

Preparation and Storage
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<b>Stability and Storage</b>	<p>Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term.</p> <p>pH: 7.40</p> <p>Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride</p>
<b>Reconstitution</b>	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. For long term storage aliquot and store at &lt; -20°C.</p>
<b>General Info</b>	
<b>Function</b>	<p>On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for activin A, activin B and inhibin A.</p>
<b>Sequence similarities</b>	<p>Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.</p> <p>Contains 1 protein kinase domain.</p>
<b>Cellular localization</b>	<p>Membrane.</p>

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

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