

## Recombinant Human ACVR2A cell lysate, Myc/DDK tag

Cat. No. ACVR2A-3097HCL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Transient overexpression lysate of activin A receptor, type IIA (ACVR2A) with a C-Myc/DDK tag was expressed in HEK293T.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-513aa
<b>Description</b>	<p>This gene encodes a receptor that mediates the functions of activins, which are members of the transforming growth factor-beta (TGF-beta) superfamily involved in diverse biological processes. The encoded protein is a transmembrane serine-threonine kinase receptor which mediates signaling by forming heterodimeric complexes with various combinations of type I and type II receptors and ligands in a cell-specific manner. The encoded type II receptor is primarily involved in ligand-binding and includes an extracellular ligand-binding domain, a transmembrane domain and a cytoplasmic serine-threonine kinase domain. This gene may be associated with susceptibility to preeclampsia, a pregnancy-related disease which can result in maternal and fetal morbidity and mortality. Alternative splicing results in multiple transcript variants of this gene.</p>
<b>Molecular Mass</b>	57.85 kDa
<b>Usage</b>	<p>1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer</p> <p>1 vial of 100</p>

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	<p>µg empty vector transfected control cell lysate in RIPA buffer</p> <p>1 vial of 250 µL 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)</p>
<b>Stability</b>	Lysate samples are stable for 12 months from the date of receipt when stored at -80 centigrade.
<b>Storage</b>	Upon receiving, store the sample at -80 centigrade. Also after dilution, the protein sample should be aliquoted and stored at -80 centigrade for long term storage. Avoid repeated freeze-thaw cycles.
<b>Dilutions</b>	Lysate samples can be diluted with 2xSDS Sample Buffer provided.
<b>Shipping</b>	The lysate is shipped with dry ice.

## GENE INFORMATION

<b>Gene Name</b>	ACVR2A activin A receptor type 2A [ Homo sapiens (human) ]
<b>Official Symbol</b>	ACVR2A
<b>Synonyms</b>	ACVR2A; activin A receptor type 2A; ACVR2; ACTRII; activin receptor type-2A; activin A receptor, type IIA; EC 2.7.11.30
<b>Gene ID</b>	92
<b>mRNA Refseq</b>	NM_001616
<b>Protein Refseq</b>	NP_001607
<b>MIM</b>	102581

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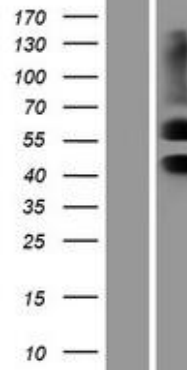
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