Recombinant Human ACVR2A cell lysate, Myc/DDK tag

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

SPECIFICATION

Product Overview	Transient overexpression lysate of activin A receptor, type IIA (ACVR2A) with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	1-513aa
Description	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.
Molecular Mass	57.85 kDa
Usage	1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100

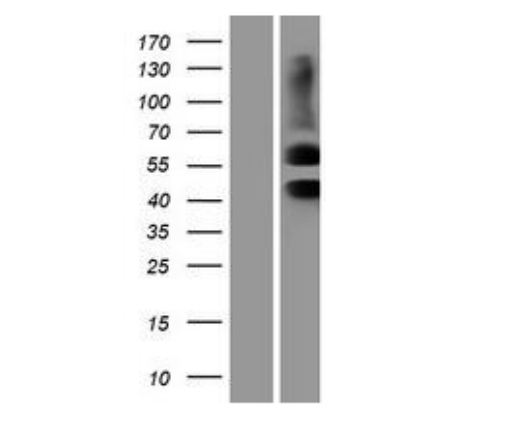
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	µg empty vector transfected control cell lysate in RIPA buffer 1 vial of 250 µL 2×SDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Stability	Lysate samples are stable for 12 months from the date of receipt when stored at -80 centigrade.
Storage	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.
Dilutions	Lysate samples can be diluted with 2×SDS Sample Buffer provided.
Shipping	The lysate is shipped with dry ice.

GENE INFORMATION

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

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UniProt ID	P27037
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