

## Recombinant Human ACVR2A Protein, GST-tag

Cat. No. ACVR2A-510H Lot. No. (See product label)

### SPECIFICATION

**Product Overview**

This recombinant fusion protein consists of full-length activin A receptor kinase and a glutathione S-transferase (GST) tag was expressed in Baculovirus. It is validated in the LanthaScreen® Eu Kinase Binding Assay. No special measures were taken to activate this kinase.

- Compatible and validated with the LanthaScreen® Eu Kinase Binding Assay
- Expressed in insect cells
- GST tagged for use with Eu-labeled GST antibody

**Species** Human

**Source** Insect Cells

**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

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multiple transcript variants of this gene.

<b>Form</b>	Frozen
<b>Molecular Mass</b>	85.3 kDa
<b>Storage</b>	Store at -80 centigrade. At first use, aliquot and store at -80 centigrade to avoid multiple freeze-thaws.
<b>Storage Buffer</b>	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.5 mM EDTA, 0.02% NP-40, 2 mM DTT and 50% glycerol.
<b>Shipping</b>	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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UniProt ID

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