

ACVR1

Recombinant Human Activin A Receptor Type 1 Active GST-His

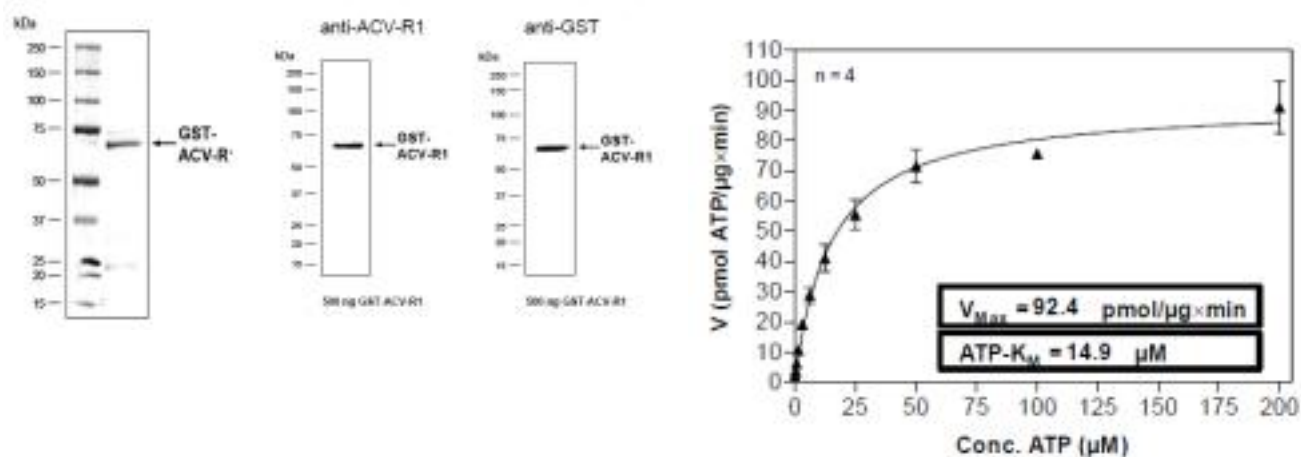
Catalog No.	CRA015A	Quantity:	10 µg
Alternate Names:	ACTRI, ACVR1A, ACVRLK2, ALK2, FOP, SKR1, TSRI, TGF-B superfamily receptor type I, activin A receptor, type II-like kinase 2, activin A type I receptor, hydroxyalkyl-protein kinase, serine/threonine-protein kinase receptor R1		
Description:	Human ACV-R1 Amino acids A ₁₄₅ -C ₅₀₉ (as in GenBank entry NM_001105)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.391 µg/µl		
Gene ID:	90		
Protein Accession No:	NP_001105		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	71,534 Da		
Formulation:	50 mM Tris-HCl + pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	ACV-R1, was confirmed as ACV-R1 by specific Western Blotting using anti ACV-R1 antibody		
Specific Activity:	92 pmol/µg×min Method for determination of K _m value and specific activity: Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 3 µM Na-orthovanadate 1.2 mM DTT 2.5 µg / 50 µl PEG _{20,000} ATP (variable) Substrate: Casein, 10 µg / 50 µl Recombinant ACV-R1: 200 ng / 50 µl • Filter binding assay MSPH membrane (Millipore)		



Storage & Stability:

Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:



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