

Recombinant Human ACVR1B Protein, GST-tagged

Cat. No. ACVR1B-250H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACVR1B full-length ORF (AAH00254.1, 1 a.a. - 505 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes an activin A type IB receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I and two type II receptors. This protein is a type I receptor which is essential for signaling. Mutations in this gene are associated with pituitary tumors. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010]
Molecular Mass	81.29 kDa
AA Sequence	MAESAGASSFFPLVLLLAGSGGSGPRGVQALLCACTSCLQANYTCETDGACMVSI FNLDGMEHHVRTCIPKVELVPAGKPFYCLSSDLRNTHCCYTDYCNRIDLRVPSGHL KEPEHPSMWGPVELVGIIAGPVFLLFLIIIIVFLVINYHQRVYHNRQRLDMEDPSCMC LSKDKTLQDLVYDLSTSGSGSGLPLFVQRTVARTIVLQEIIKGGRFGEVWRGRWRG GDVAVKIFSSREERSWFRFAEIYQTVMLRHENILGFIAADNKDNGTWTQLWLVS DYH EHGSLFDYLNRYTVTIEGMIKLALSAASGLAHLHMEIVGTQGKPGIAHRDLKSKNILVK KNGMCAIADLGLAVRHDAVTDITIDIAPNQRVGTRKRYMAPEVLDETINMKHFDSFKCA

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	DIYALGLVYWEIARRCNSGGVHEEYQLPYYDLVPSDPSIEEMRKVVCDQKLRPNIPN WWQSYEALRVMGKMMRECWYANGAARLTALRIKKTLSQLSVQEDVKI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ACVR1B activin A receptor, type IB [Homo sapiens]
Official Symbol	ACVR1B
Synonyms	ACVR1B; activin A receptor, type IB; ACVRLK4; activin receptor type-1B; ActRIB; ALK4; SKR2; activin receptor-like kinase 4; activin A receptor, type II-like kinase 4; serine/threonine-protein kinase receptor R2; ACTRIB;
Gene ID	91
mRNA Refseq	NM_004302
Protein Refseq	NP_004293
MIM	601300

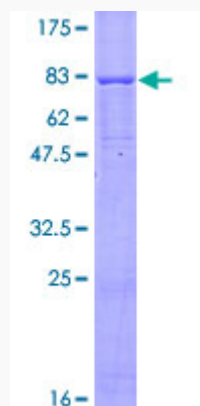
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UniProt ID

P36896



12.5% SDS-PAGE Stained with Coomassie Blue.

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