Recombinant Human ACVR2B protein, HIgG1/His-tagged

Cat. No. ACVR2B-498H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACVR2B fused with Human IgG1 and His tag at C-terminal was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	19-134aa
Form	This recombinant protein was 0.2 μm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.
Molecular Mass	The predicted molecular weight of Recombinant Human Act R-IIB is Mr 41 kDa (monomer). However, the actual molecular weight as observed by migration on SDS Page is Mr 60 kDa.
AA Sequence	lwgslwpgsg rgeaetreci yynanweler tnqsglerce geqdkrlhcy aswanssgti elvkkgcwld dfncydrqec vateenpqvy fcccegnfcn erfthlpeag gpevtyeppp taptiegrmd pkscdkthtc ppcpapellg gpsvflfppk pkdtlmisrt pevtcvvvdv shedpevkfn wyvdgvevhn aktkpreeqy nstyrvvsvl tvlhqdwlng keykckvsnk alpapiekti skakgqprep qvytlppsrd eltknqvslt clvkgfypsd iavewesngq pennykttpp vldsdgsffl yskltvdksr wqqgnvfscs vmhealhnhy tqkslslspg khhhhhh
Endotoxin	<1.0 EU/μg as determined by the LAL method

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Purity	>95% by SDS-PAGE and analyzed by silver stain.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20 centigrade to -70 centigrade. After aseptic reconstitution, this protein may be stored at 2 centigrade to 8 centigrade for one month or at -20 centigrade to -70 centigrade in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	ACVR2B activin A receptor, type IIB [Homo sapiens]
Official Symbol	ACVR2B
Synonyms	ACVR2B; activin A receptor, type IIB; activin receptor type-2B; ActR IIB; HTX4; ACTRIIB; ActR-IIB;
Gene ID	93
mRNA Refseq	NM_001106
Protein Refseq	NP_001097
MIM	602730
UniProt ID	Q13705
Chromosome Location	3p22
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Developmental Biology,

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	organism-specific biosystem; Regulation of Signaling by NODAL, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by BMP, organism-specific biosystem; Signaling by NODAL, organism-specific biosystem;
Function	ATP binding; activin binding; activin receptor activity, type II; contributes_to activin receptor activity, type II; growth factor binding; inhibin beta-A binding; inhibin beta-B binding; metal ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; receptor activity; receptor signaling protein serine/threonine kinase activity; transforming growth factor beta-activated receptor activity; transmembrane receptor protein serine/threonine kinase activity;

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