PRODUCT INFORMATION

Target	ACVR2A
Synonyms	Acvr2; ActrIIa; TactrII
Description	Recombinant mouse ACVR2A protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P27038
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	Mouse ACVR2A(Ala20-Pro135) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 39.6 kDa after removal of the signal peptide. The apparent molecular mass of mACVR2A-hFc is approximately 35-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Enables several functions, including BMP receptor activity; PDZ domain binding activity; and activin binding activity. Acts upstream of or within several processes, including Sertoli cell proliferation; copulation; and embryonic skeletal system development. Located in cell surface. Is expressed in several structures, including central nervous system; early conceptus; gonad; gut; and sensory organ. Used to study Weissenbacher-Zweymuller syndrome. Human ortholog(s) of this gene implicated in colon cancer. Orthologous to human ACVR2A (activin A receptor type 2A). [provided by Alliance of Genome Resources, Apr 2022]
Usage	Research use only
Conjugate	Unconjugated

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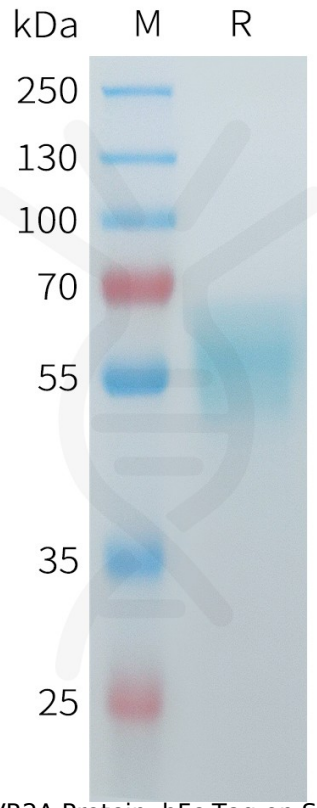


Figure 1. Mouse ACVR2A Protein, hFc Tag on SDS-PAGE under reducing condition.

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