

Human ALK-7, Tag Free Protein

HA211563



Product name:	Human ALK-7, Tag Free
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human ALK-7 protein (Q8NER5-1) (Leu 22-Glu 113) was expressed with tag free.

Background: The activin A receptor also known as ACVR1C or ALK-7 is a protein that in humans is encoded by the ACVR1C gene. ACVR1C is a type I receptor for the TGFB family of signaling molecules. ACVR1C transduces signals of Nodal. Nodal binds to ACVR2B and then forms a complex with ACVR1C. These go on to recruit the R-SMADs SMAD2 or SMAD3. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD family transcription factors, which then translocate to the nucleus and interact directly with DNA or in complex with other transcription factors.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per µg by the LAL method.

Fragment region: ALK-7 (22-113)

Source: HEK293

Accession: Q8NER5-1

Predicted molecular mass: 10.7 kD

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 µg/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

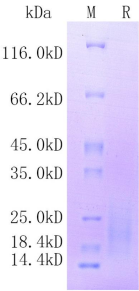


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.