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Product Information

Magic™ Antibody Discovery - Human ALK-7 (21-113) Membrane Protein, Partial, -His tag

{AlternativeNames}

Cat. No.: **MP0914F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human ALK-7 (50-254). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
ALK-7

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 11.9 kDa. The protein migrates as 15-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Glu 21 - Glu 113 (Accession # Q8NER5-1).

Product Description

Application
SDS-PAGE

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form
LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in 20 mM Tris, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

ALK-7

Full Name

activin A receptor type 1C

Introduction

ACVR1C is a type I receptor for the TGFB (see MIM 190180) family of signaling molecules. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD transcription factors, which then translocate to the nucleus and interact directly with DNA or in complex with other transcription factors (Bondestam et al., 2001 [PubMed 12063393]).

Alternative Names

ALK7; ACVRLK7; activin receptor type-1C; ACTR-IC; ALK-7; activin A receptor, type IC; activin receptor type IC; activin receptor-like kinase 7

Gene ID

130399

UniProt ID

Q8NER5