

ACVRL1 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP20564a

Specification**ACVRL1 Blocking Peptide (N-term) - Product Information**Primary Accession [P37023](#)**ACVRL1 Blocking Peptide (N-term) - Additional Information****Gene ID** 94**Other Names**

Serine/threonine-protein kinase receptor R3, SKR3, Activin receptor-like kinase 1, ALK-1, TGF-B superfamily receptor type I, TSR-I, ACVRL1, ACVRLK1, ALK1

Target/Specificity

The synthetic peptide sequence is selected from aa 21-34 of HUMAN ACVRL1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ACVRL1 Blocking Peptide (N-term) - Protein Information**Name** ACVRL1**Synonyms** ACVRLK1, ALK1**Function**

Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important

ACVRL1 Blocking Peptide (N-term) - Background

Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.

ACVRL1 Blocking Peptide (N-term) - References

ten Dijke P., et al. Oncogene 8:2879-2887(1993).
Attisano L., et al. Cell 75:671-680(1993).
Berg J.N., et al. Am. J. Hum. Genet. 61:60-67(1997).
Scherer S.E., et al. Nature 440:346-351(2006).
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Cellular Location

Cell membrane; Single-pass type I membrane protein

ACVRL1 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)