

Bone morphogenetic protein receptor type-1A

Catalog No: #AP78323

Package Size: #AP78323-1 50ug #AP78323-2 100ug #AP78323-3 1mg

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Description

Product Name	Bone morphogenetic protein receptor type-1A
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	24-152AA
Other Names	ACVRLK3,ALK3,Activin receptor-like kinase 3,Serine/threonine-protein kinase receptor R5,ALK-3,SKR5,CD292
Accession No.	P36894Gene name:BMPR1A
Uniprot	P36894
GeneID	657;
Calculated MW	14.19
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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. Receptor for BMP2, BMP4, GDF5 and GDF6. Positively regulates chondrocyte differentiation through GDF5 interaction. Mediates induction of adipogenesis by GDF6.

References

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Note: This product is for in vitro research use only