

Product datasheet for **TP727972**

BMPR1A Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human BMP Receptor IA/ALK-3/CD292 (C-Fc-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln24-Arg152
Tag:	C-Fc&His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Bone Morphogenetic Protein Receptor Type IA/Activin Receptor-like Kinase 3 is produced by our Mammalian expression system and the target gene encoding Gln24-Arg152 is expressed with a Fc, 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	657
UniProt ID:	P36894
Summary:	Bone Morphogenetic Protein Receptor Type-1A (BMPR1A) belongs to the TKL Ser/Thr protein kinase family and TGF β receptor subfamily, including the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. BMPR1A is a single-pass type I membrane protein and highly expressed in skeletal muscle. BMPR1A contains one GS domain and one protein protein kinase domain. BMPR1A is necessary for the extracellular matrix deposition by osteoblasts. BMPR1A can activate SMAD transcriptional regulators, binding with ligands. Defects in BMPR1A are a cause of juvenile polyposis syndrome, Cowden disease and hereditary mixed polyposis syndrome 2 (HMPS2).



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