

Product Data Sheet

Recombinant Human BMPR1A Protein

Catalog #	Source	Reactivity	Applications
CRP1123	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human BMPR1A Protein 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.		
Form	Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.		
Gene Symbol	BMPR1A		
Alternative Names	ACVRLK3; ALK3; Bone morphogenetic protein receptor type-1A; BMP type-1A receptor; BMPR-1A; Activin receptor-like kinase 3; ALK-3; Serine/threonine-protein kinase receptor R5; SKR5; CD292		
Entrez Gene	657 (Human)		
SwissProt	P36894 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	QNLDSMLHGT GMKSDSDQKK SENGVTLAPE DTLPFLKCYC SGHCPDDAIN NTCITNGHCF AIIEDDDQGE TTLASGCMKY EGSDFQCKDS PKAQLRRTIE CCRTNLCNQY LQPTLPPVVI GPFFDGSIRV DDIEGRMDEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSREE MTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the		
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference			
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish			

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lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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