

Recombinant Active Human BMP15 Protein, His-tagged(C-ter)

Cat. No. BMP15-10H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human BMP15 Protein with His tag (C-ter) was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The transforming growth factor-beta superfamily includes large families of growth and differentiation factors. It is thought that this protein may be involved in oocyte maturation and follicular development as a homodimer or by forming heterodimers with a related protein, Gdf9. Defects in this gene are the cause of ovarian dysgenesis 2.[provided by RefSeq, Sep 2009]
Form	Powder
Bio-activity	Determined by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED50 for this effect is < 17 ng/mL.
AA Sequence	MAPLATRQGKRPSKNLKARCSRKALHVNFKDMGWDDWIIAPLEYEAFHCEGLCEFP LRSHLEPTNHAVIQTLMNMSMDPESTPPTCCVPTRLSPISILFIDSANNVVYKQYEDMV VESCGR
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.

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Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	20 mM Sodium citrate (pH 3.5) and 0.2 M NaCl.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	BMP15 bone morphogenetic protein 15 [Homo sapiens]
Official Symbol	BMP15
Synonyms	BMP15; bone morphogenetic protein 15; GDF9B; BMP-15; GDF-9B; growth/differentiation factor 9B; ODG2; POF4;
Gene ID	9210
mRNA Refseq	NM_005448
Protein Refseq	NP_005439

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MIM 300247

UniProt ID O95972

SDS-PAGE



Human BMP15
recombinant protein

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