

Active Recombinant Human BMP8A Protein

Cat. No. BMP8A-017H Lot. No. (See product label)

SPECIFICATION

Product Overview	The mature recombinant human BMP-8a protein consists of 139 amino acids (264-402) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	264-402 a.a.
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein may play a role in development of the reproductive system. This gene may have arose from a gene duplication event and its gene duplicate is also present on chromosome 1.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human BMP-8a is present at 1 µg/mL, the concentration of recombinant human BMPR-1A Fc Chimera that produces 50% of the optimal binding response is approximately 1.5-6 µg/mL.
Molecular Mass	16 kDa
Product-Related	264-402

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Proteins	
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

Gene Name	BMP8A bone morphogenetic protein 8a [Homo sapiens (human)]
Official Symbol	BMP8A
Synonyms	BMP8A; bone morphogenetic protein 8a; OP-2; bone morphogenetic protein 8A; Names; BMP-8A
Gene ID	353500
mRNA Refseq	NM_181809
Protein Refseq	NP_861525
UniProt ID	Q7Z5Y6

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