

Active Recombinant Human BMP8B Protein

Cat. No. BMP8B-018H Lot. No. (See product label)

SPECIFICATION

Product Overview	The mature recombinant human BMP-8b 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. The encoded protein stimulates thermogenesis in brown adipose tissue. Expression of this gene may be downregulated in pancreatic cancer. 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 ability to inhibit the cell growth of DU145 human prostate carcinoma cells. The ED50 for this effect is 0.7-3.5 µg/mL.
Molecular Mass	16 kDa
Product-Related Proteins	264-402

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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	BMP8B bone morphogenetic protein 8b [Homo sapiens (human)]
Official Symbol	BMP8B
Synonyms	BMP8B; bone morphogenetic protein 8b; OP2; BMP8; bone morphogenetic protein 8B; Names; bone morphogenetic protein 8 (osteogenic protein 2); osteogenic protein 2
Gene ID	656
mRNA Refseq	NM_001720
Protein Refseq	NP_001711
MIM	602284
UniProt ID	P34820

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