

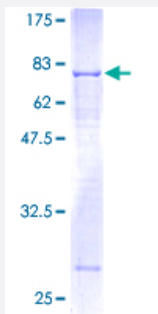
Full-Length

BMP10 (Human) Recombinant Protein (P01)

Catalog # H00027302-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BMP10 full-length ORF (NP_055297.1, 1 a.a. - 424 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGSLVLTLCALFCLAAYLVS GSPIMNLEQSPLEEDMSLFGDVFSEQDGVDFNTLLQSMKDEFLKT
LNLSDIPTQDSAKVDPPEYMLELYNKFATDRTSMPSANIIRSFKNEDLFSQPVSFNGLRKYPLLFNV
SIPHHEEVIMAE LRLYTLVQRDRMYDGVDRKITIFEVLESKGDNEGERNMLVLVSGEYGTNSEWE
TFDVTDAIRRWQKSGSSTHQLEVHIESKHDEAEDASSGRLEIDTSAQNKHNPLLIVFSDDQSSDK
ERKEELNEMISHEQLPELDNLGLDSFSSGPGEEALLQMRSNIIYDSTARIRRNAKGNKYCKRTPLYD
FKEIGWDSWIAPPGYEAYECRGVCNYPLAEHLTPTKHAIQALVHLKNSQKASKACCVPTKLEPISI
LYLDKGVV TYKFKYEGMAVSECGCR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.27

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BMP10

Entrez GeneID	27302
GeneBank Accession#	NM_014482.1
Protein Accession#	NP_055297.1
Gene Name	BMP10
Gene Alias	MGC126783
Gene Description	bone morphogenetic protein 10
Omim ID	608748
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TGF-beta family of growth factors. Data suggest that the similar protein in mouse plays an important role in trabeculation of the embryonic heart. In human, this protein may signal through receptor serine/threonine kinases. [provided by RefSeq]
Other Designations	OTTHUMP00000159973

Publication Reference

- [BMP10 expression in the adult rat central nervous system.](#)

Chikara Ogawa, Sumiko Mikawa, Shuo Li, Yutaro Hayashi, Kazuma Masumoto, Kohji Sato.

Journal of Chemical Neuroanatomy 2022 Feb; 121:102084.

Application: ELISA, Rat, Rat brain

Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
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