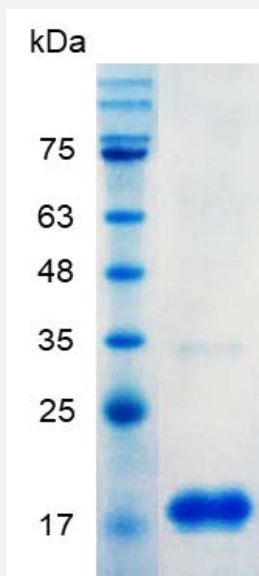


BMP15 (Human) Recombinant Protein

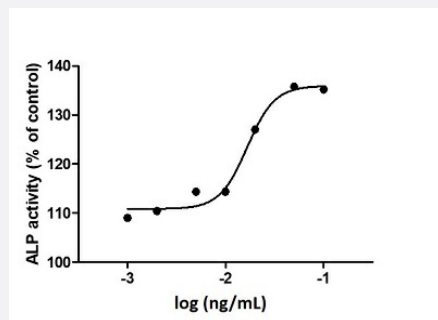
Catalog # P7805

Size 20 ug

Applications



SDS-PAGE analysis of BMP15 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description

Human BMP15 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.

Sequence

MQADGISA EVTASSSKHSGPENNQCSLHPFQISFRQLGWDHWIAPPFYTPNYCKGTCLRVLRDG
LNSPNHAIQNLINQLVDQSVPRPSCVPYKYVPISVLMIEANGSILYKEYEGMIAESCTCR with polyhis
tidine tag at the C-terminus.

Host

Escherichia coli

Specificity	23
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ni-NTA chromatography
Purity	> 98% as determined by SDS-PAGE.
Endotoxin Level	< 0.1 EU/ ug of protein by the LAL method.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of BMP15 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5. Reconstitute the lyophilized powder in ddH ₂ O to a concentration not less than 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at -20°C to -80°C. The product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — BMP15

Entrez GeneID	9210
Gene Name	BMP15
Gene Alias	GDF9B, ODG2, POF4
Gene Description	bone morphogenetic protein 15
Omim ID	300247 300510

Gene Ontology

[Hyperlink](#)

Gene Summary

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

Other Designations

OTTHUMP00000023297

Disease

- [Amenorrhea](#)
- [Anovulation](#)
- [Genetic Predisposition to Disease](#)
- [Iatrogenic Disease](#)
- [Infertility](#)
- [Obesity](#)
- [Ovarian Diseases](#)
- [Ovarian Failure](#)
- [Ovarian Hyperstimulation Syndrome](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)