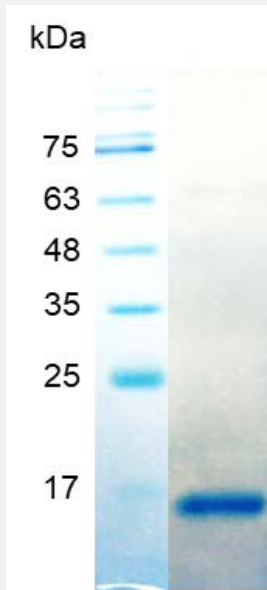


GDF2 (Human) Recombinant Protein

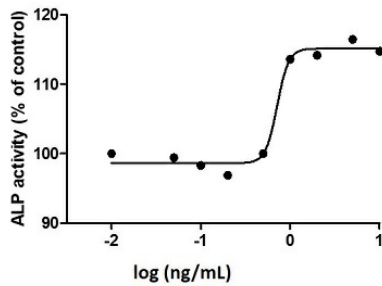
Catalog # P7800

Size 20 ug

Applications



SDS-PAGE analysis of GDF2 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description

Human GDF2 recombinant protein with polyhistidine tag at the N-terminus expressed in *Escherichia coli*.

Sequence

SAGAGSHCQKTSLRVNFEDIGWDSWIAPKEYEAYECKGGCFFPLADDVTPTKHANQTLVHLKFP TKVGKACCVPTKLSPISVLYKDDMGVPTLKYHYEGMSVAECGCR with polyhistidine tag at the N-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	< 0.01 EU/ ug of protein by the LAL method.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of GDF2 (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 — GDF2

Entrez GeneID	2658
Gene Name	GDF2
Gene Alias	BMP-9, BMP9
Gene Description	growth differentiation factor 2
Omim ID	605120

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Studies in rodents suggest that this protein plays a role in the adult liver and in differentiation of cholinergic central nervous system neurons. [provided by RefSeq]

Other Designations

OTTHUMP00000019538|bone morphogenetic protein 9

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)