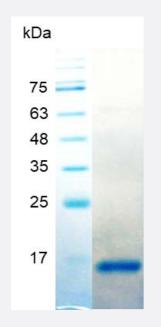
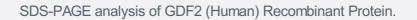
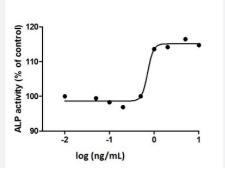
GDF2 (Human) Recombinant Protein

Catalog # P7800 Size 20 ug

Applications







Result of activity analysis

Result of activity analysis

Specification	
Product Description	Human GDF2 recombinant protein with polyhistidine tag at the N-terminus expressed in <i>Escherichia coli</i> .
Sequence	SAGAGSHCQKTSLRVNFEDIGWDSWIIAPKEYEAYECKGGCFFPLADDVTPTKHAIVQTLVHLKFP TKVGKACCVPTKLSPISVLYKDDMGVPTLKYHYEGMSVAECGCR with polyhistidine tag at the N-t erminus.
Host	Escherichia coli

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Product Information

Specificity	23
Form	Lyophilized
Preparation Method	Escherichia coli 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 ly ophilized 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. Th is 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 GenelD	2658
Gene Name	GDF2
Gene Alias	BMP-9, BMP9
Gene Description	growth differentiation factor 2
Omim ID	<u>605120</u>

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Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family a nd the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic pr ocessing site which is cleaved to produce a mature protein containing seven conserved cysteine r esidues. The members of this family are regulators of cell growth and differentiation in both embry onic and adult tissues. Studies in rodents suggest that this protein plays a role in the adult liver an d in differentiation of cholinergic central nervous system neurons. [provided by RefSeq
Other Designations	OTTHUMP00000019538 bone morphogenetic protein 9

Disease

- <u>Alzheimer Disease</u>
- Genetic Predisposition to Disease
- Liver Cirrhosis
- <u>Mental Disorders</u>
- <u>Obesity</u>
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder