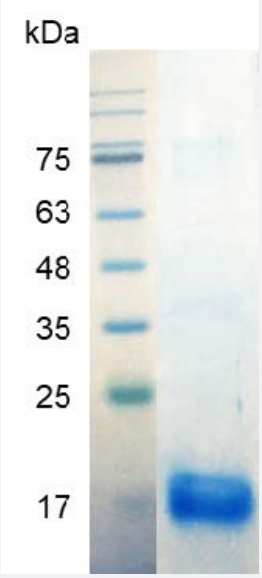
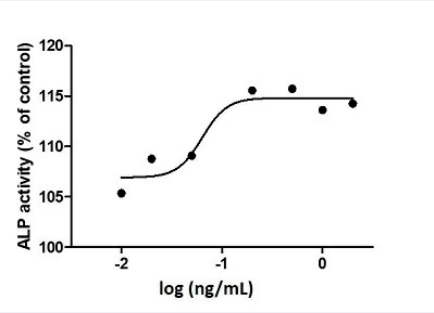
GDF6 (Human) Recombinant Protein

Catalog # P7803 Size 20 ug

Applications



SDS-PAGE analysis of GDF6 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human GDF6 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.
Sequence	MTAFASRHGKRHGKKSRLRCSKKPLHVNFKELGWDDWIIAPLEYEAYHCEGVCDFPLRSHLEPT NHAIIQTLMNSMDPGSTPPSCCVPTKLTPISILYIDAGNNVVYKQYEDMVVESCGCR with polyhistidi ne tag at the C-terminus.
Host	Escherichia coli

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Specificity	23
Form	Lyophilized
Preparation Method	*Escherichia coli* 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 GDF6 (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_2O 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 — GDF6

Entrez GeneID	392255
Gene Name	GDF6
Gene Alias	BMP13, CDMP2, KFS, KFSL, MGC158100, MGC158101, SGM1
Gene Description	growth differentiation factor 6
Omim ID	120200 601147

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Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily of secreted signaling molecules. It is required for normal formation of some bones and joints in the limbs, skull, and axial skeleton. Mutations in this gene result in colobomata, which are congenital abnormalities in ocular development, and in Klippel-Feil syndrome (KFS), which is a congenital disorder of spinal segmentation. [provided by RefSeq
Other Designations	-

Pathway

- Cytokine-cytokine receptor interaction
- TGF-beta signaling pathway

Disease

- Anophthalmos
- Cleft Lip
- Cleft Palate
- Coloboma
- Genetic Predisposition to Disease
- Microphthalmos
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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