Bioactive

Gdf5 (Mouse) Recombinant Protein

Catalog # P8692 Size 50 ug

Specification

Product Description	Mouse Gdf5 recombinant protein expressed in *Escherichia coli*.
Sequence	APLANRQGKRPSKNLKARCSRKALHVNFKDMGWDDWIIAPLEYEAFHCEGLCEFPLRSHLEPTN HAVIQTLMNSMDPESTPPTCCVPTRLSPISILFIDSANNVVYKQYEDMVVESCGCR
Host	Escherichia coli
Theoretical MW (kDa)	27.2
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 96% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED_{50} < 1.0 ug/mL, measured by inducing alkaline phosphatase production of murine ATDC5 cells, corresponding to a specific activity of > 1.0 x 10^3 IU/mg.
Storage Buffer	Lyophilized from a solution containing 30% Acetonitrile, 0.1% TFA. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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Gene Info — Gdf5

Entrez GeneID	14563
Protein Accession#	P43027
Gene Name	Gdf5
Gene Alias	Cdmp-1, bp, brp
Gene Description	growth differentiation factor 5
Gene Ontology	Hyperlink
Other Designations	Growth/differentiation factor 5 precursor (GDF-5)|OTTMUSP00000017076|brachypodism|cartilage-derived morphogenetic protein-1

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