

Bioactive

Gdf5 (Mouse) Recombinant Protein

Catalog # P8692

Size 50 ug

Specification

Product Description	Mouse Gdf5 recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	APLANRQGKRPSKNLKARCSRKALHVNFKDMGWDDWIAPLEYEAFHCEGLCEFPLRSHLEPTN HAVIQTLMNMSMDPESTPPTCCVPTRLSPISILFIDSANNVYKQYEDMVVESCGCR
Host	Escherichia coli
Theoretical MW (kDa)	27.2
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> 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 ₂ O 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

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