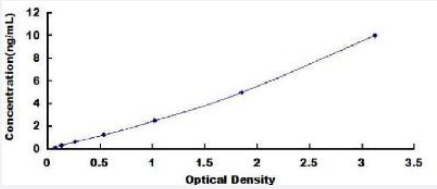
GDF5 (Human) ELISA Kit

Catalog # KA5440 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	GDF5 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human GDF5.
Suitable Sample	Cell Culture Supernates, Plasma (EDTA, Heparin) and Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.156 - 10 ng/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Applications

- Quantification

Gene Info — GDF5

Entrez GeneID	8200
Gene Name	GDF5
Gene Alias	BMP14, CDMP1, LAP4, SYNS2
Gene Description	growth differentiation factor 5
Omim ID	112600 113100 165720 185800 200700 201250 228900 601146 610017
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. Mutations in this gene are associated with acromesomelic dysplasia, Hunter-Thompson type; brachydactyly, type C; and chondrodysplasia, Grebe type. These associations confirm that the gene product plays a role in skeletal development. [provided by RefSeq
Other Designations	OTTHUMP00000030755|OTTHUMP00000061644|cartilage-derived morphogenetic protein-1

Pathway

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

Disease

- Diabetes Mellitus
- Disease Susceptibility
- Fractures

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- Genetic Predisposition to Disease
- Hip Dislocation
- Osteoarthritis

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