

Growth Differentiation Factor 6 Active Protein | GDF6 active protein

Active Growth Differentiation Factor 6 (GDF6)

CATALOG #
AAA150125

APPLICATIONS
Activity Assay, Cell Culture

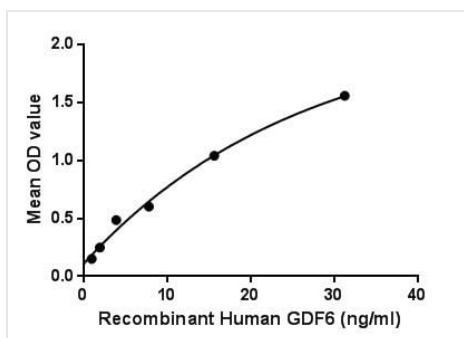
PRODUCT SYNONYMS

Growth Differentiation Factor 6; Active Growth Differentiation Factor 6 (GDF6); BMP13; CDMP2; GDF16; Bone morphogenetic protein 13; Growth/differentiation factor 16; GDF6 active protein

PRODUCT SPECIFICATIONS

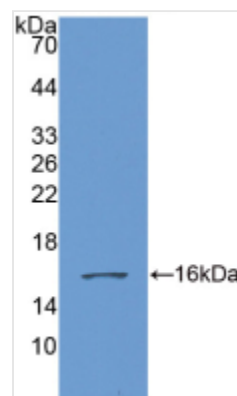
Purity/Purification	>95%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Thr336~Arg455
Sequence Length	455
Applicable Applications for GDF6 active protein	Activity Assay, Cell Culture
Species	Human
Tag	N-terminal His Tag
Isoelectric Point	7.2
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



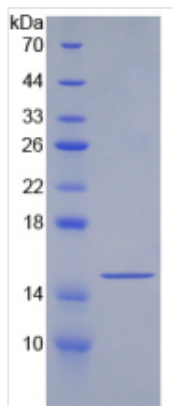
Bioactivity

Figure. The binding activity of GDF6 with BMPR.



WB (Western Blot)

Figure. Western Blot



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for GDF6 active protein	Cytokine; Signal transduction; Developmental science; Bone metabolism
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48475062
NCBI GeneID	392255
NCBI Accession #	NP_001001557.1
NCBI GenBank Nucleotide #	NP_001001557.1
UniProt Accession #	Q6KF10
Molecular Weight	Predicted Molecular Mass: 14.8kDa Accurate Molecular Mass: 16kDa
NCBI Official Full Name	growth/differentiation factor 6 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 6
NCBI Official Symbol	GDF6
NCBI Official Synonym Symbols	KFM; KFS; KFS1; KFSL; SGM1; BMP13; CDMP2; SYNS4; BMP-13
NCBI Protein Information	growth/differentiation factor 6
UniProt Protein Name	Growth/differentiation factor 6
UniProt Gene Name	GDF6
UniProt Synonym Gene Names	GDF16; GDF-6
UniProt Entry Name	GDF6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.