

Growth Differentiation Factor 11/GDF-11/BMP-11 Recombinant Protein | GDF-11/BMP-11 recombinant protein

Recombinant Human Growth Differentiation Factor 11/GDF-11/BMP-11 Protein

CATALOG #
AAA174016

HOST
Human Cells

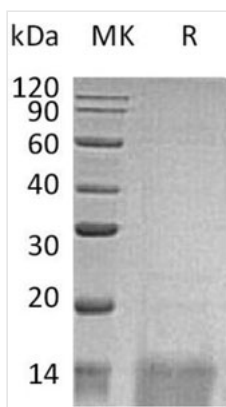
PRODUCT SYNONYMS

Growth Differentiation Factor 11/GDF-11/BMP-11; Recombinant Human Growth Differentiation Factor 11/GDF-11/BMP-11 Protein; Growth/differentiation factor 11; GDF-11; Bone morphogenetic protein 11; BMP-11; GDF-11/BMP-11 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Sequence Positions	Asn299-Ser407
Sequence Length	407
Species	Human
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Reconstitution	It is recommended that sterile water (1mL) be added to the vial to prepare a stock solution of 0.5mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GDF-11/BMP-11 recombinant protein	Growth/differentiation factor 11(GDF-11) is a secreted protein, which belongs to the transforming growth factor beta superfamily. GDF-11 controls anterior-posterior patterning by regulating the expression of Hox genes. The secreted signal acts globally to specify positional identity along the anterior/posterior axis during development. GDF11 has been shown to suppress neurogenesis through a pathway similar to that of myostatin, including stopping the progenitor cell-cycle during G-phase. The similarities between GDF11 and myostatin imply a likelihood that the same regulatory mechanisms are used to control tissue size during both muscular and neural development.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031613
NCBI GeneID	10220
NCBI Accession #	NP_005802.1
NCBI GenBank Nucleotide #	NM_005811.4
UniProt Accession #	O95390; Q9UID1; Q9UID2
Molecular Weight	Molecular Mass: 12.6 kDa Actual Protein Molecular Mass: 14 kDa
NCBI Official Full Name	growth/differentiation factor 11 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 11
NCBI Official Symbol	GDF11
NCBI Official Synonym Symbols	BMP11; BMP-11
NCBI Protein Information	growth/differentiation factor 11
UniProt Protein Name	Growth/differentiation factor 11
UniProt Gene Name	GDF11
UniProt Synonym Gene Names	BMP111 PublicationManual assertion based on opinion iniRef.1; GDF-11; BMP-11

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.