

Growth Differentiation Factor 11 (GDF11) Recombinant Protein | GDF11 recombinant protein

Recombinant Growth Differentiation Factor 11 (GDF11)

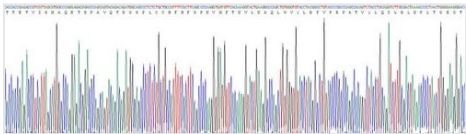
CATALOG # AAA135514	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

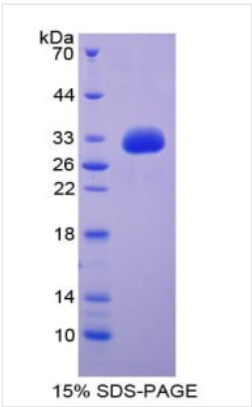
Growth Differentiation Factor 11 (GDF11); Recombinant Growth Differentiation Factor 11 (GDF11); GDF11 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1 mM EDTA, 1mM DTT, 0.01% Sarcosyl, 5% Trehalose, and Preservative.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandT7-ta g,itsseque nceisliste dbelow. MGSSHHHHH HSSGLVPRGS HMASMTGGQQ MGRGSEF-TT ETVISMAQET DPAVQTDGSP LCCHFHFSPK VMFTKVLKAQ LWVYLRPVPR PATVYLQILR LKPLTGEGTA GGGGGGRRHI RIRSLKIELH SRSGHWQSID FKQVLHSWFR QPQSNWGIEI NAFDPSGTDL AVTSLGPGAE GLHPFMELRV LENTKRSRRN LGLDCDEHSS ESRCCRYPLT VDFAFGWDW IAPKRYKAN YCSGQCEYMF MQKYPHTHLV QQANPRGSAG PCCTPTKMSP INMLYFN
Sequence Length	407
Applicable Applications for GDF11 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Thr138-Asn386 (Accession # O95390) with two N-terminal Tags, His-tag and T7-tag
Predicted isoelectric point	9.1
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.



Application Data



SDS-PAGE

TTE TVISMAQETD

PAVQTDGSPL CCHFHFSPKV MFTKVLKAQL WYLRPVPRP ATVYLQILRL

KPLTGEGTAG GGGGRRHIR IRSKIELHS RSGHWQSIDF KQVLHSHWFRQ

PQSNWIEIN AFDPSGTDLA VTSLGPGAEG LHPFMELRVL ENTKRSRRNL

GLDCDEHSSE SRCCRYPLTV DFEAFGWDWI IAPKRYKANY CSGQCEYMFH

QKYPHTHLVQ QANPRGSAGP CCTPTKMSPFI NMLYFN

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031613
NCBI GeneID	10220
NCBI Accession #	NP_005802.1
NCBI GenBank Nucleotide #	NM_005811.3
UniProt Accession #	O95390; Q9UID1; Q9UID2
Molecular Weight	32.0kDa
NCBI Official Full Name	growth/differentiation factor 11
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; GDF-11; bone morphogenetic protein 11
UniProt Protein Name	Growth/differentiation factor 11
UniProt Gene Name	GDF11
UniProt Synonym Gene Names	BMP11; GDF-11; BMP-11
UniProt Entry Name	GDF11_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.