

# Product datasheet for AR09017PU-N

## Desert hedgehog / DHH (23-198, His-tag) Human Protein

#### **Product data:**

Nescription:Descri Hedgehog / DHH (23-198, His-tag) human recombinant protein, 0.1 mgSpecies:HumanExpression Host:E. cliExpression cDNAClow brA Sequence:MGSSH HHH HH SSGL VPRGSH MCGPG RGRVG RRRVARKQL V PLLYKQPVPG VPERTLGASG PACRVARGS ERRPL VPNY NPDIFKDEE NSGADRLMTE RCKERVNALA IAVMMMWPGV RLWTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH VHSVKADNS LAVRAGGTag:His-tagPredicted MW:2 kDaOrcnentration:I of specificPurity:Poss poss by SDS PAGEPreparation:Resentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Recombinant DHH protein, fused to His-tag, was expressed in E.col and purified by using conventional chromatograph techniques.Note:NCBI Accession No: NP_06382State:Sud Initice area and thaving.Stability:Suff If: enveraer from despatch.RefSeq:NoteSas2Icous ID:Ga84Icous ID:Ga84Icous ID:Ga84Icous ID:Ga84Icous ID:Ga84Icous ID:Ga84Icous ID:Ga84Icous ID:Ga84Icous ID:Ga832Icous ID:Ga84Icous ID:	Product Type:	Recombinant Proteins
Expression Host:E. coliExpression CDNA ClossMGSSSHHHHHH SSGLVPRGSH MCGPGRGPVG RRRYARKQLV PLLYKQFVPG VPERTLGASG PAEGRVARGS ERRPLVPNN NPDIIFKDEE NSGADRLMTE RCKERVNALA IAVMNWPGV RAERVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH VHVSVKADNS LAVRAGGTag:His-tagPredicted MW:22 kDaOncentration:Iot specificPurity:95% >95% by SDS PAGEBuffer:Yresentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Recombinant DHH protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.Note:NCBI Accession No.: NP_066382Stability:Shell life: one year from despatch.Refseq:Nel fore in exparation discussion d	Description:	Desert hedgehog / DHH (23-198, His-tag) human recombinant protein, 0.1 mg
Pression cDNA CloneMGSSHHHHHH SSGLVPRGSH MCGPGRGPVG RRRYARKQLV PLLYKQFVPG VPERTLGASG PAEGRVARGS ERFRDLVPNY NPDIIFKDEE NSGADRLMTE RCKERVNALA IAVMNMWPGY RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH VHVSVKADNS LAVRAGGTag:His-tagPredicted MW:22 kDaConcentration:Iot specificPurity:>95% > 95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolNote:NCBI Accession No.: NP_066382Note:NCBI Accession No.: NP_066382Stability:Sole file: one year from despatch.Refseq:NP 066382Icous ID:Sole file: one year from despatch.Icous ID:Sole file: one year file:	Species:	Human
or AA Sequence:PAEGRVARGS ERFRDLVPNY NPDIIFKDEE NSGADRLMTE RCKERVNALA IAVMNMWPGV RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH VHVSVKADNS LAVRAGGTag:His-tagPredicted MW:22 kDaConcentration:Iot specificPurity:>95% > 95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Recombinant DHH protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.Note:NCBI Accession No.: NP_06G382Stability:Store undiluted at 2.8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.Stability:Suff life: one year from despatch.RefSeq:NP_06G382Locus ID:Su846UniProt ID:Qu43323Cytogenetics:12q13.12	Expression Host:	E. coli
Predicted MW:22 kDaConcentration:lot specificPurity:>95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Liquid purified protein State: Liquid purified protein Conventional chromatography techniques.Note:NCBI Accession No.: NP_066382Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.Stability:NP 066382Locus ID:S0846UniProt ID:043323Lotgenetics:12q13.12	-	PAEGRVARGS ERFRDLVPNY NPDIIFKDEE NSGADRLMTE RCKERVNALA IAVMNMWPGV RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH
Concentration:IdspecificPurity:>95% > 95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Liquid purified protein State: System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Liquid purified protein 	Tag:	His-tag
Purity:>95% > 95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolProtein Description:Recombinant DHH protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.Note:NCBI Accession NO.: NP_066382Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP_066382Locus ID:S0846UniProt ID:Q43323Qtogenetics:12q13.12	Predicted MW:	22 kDa
Buffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM MES pH 5.5 containing 0.5 mM DTT, 20% GlycerolPreparation:Liquid purified proteinProtein Description:Recombinant DHH protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.Note:NCBI Accession No.: NP_066382Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 066382Locus ID:50846UniProt ID:Q43323Cytogenetics:12q13.12	Concentration:	lot specific
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Protein Description:Recombinant DHH protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.Note:NCBI Accession No.: NP_066382Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 066382Locus ID:50846UniProt ID:043323Cytogenetics:12q13.12	Buffer:	State: Liquid purified protein
Note:NCBI Accession No.: NP_066382Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP_066382Locus ID:50846UniProt ID:O43323Cytogenetics:12q13.12	Preparation:	Liquid purified protein
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Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 066382Locus ID:50846UniProt ID:043323Cytogenetics:12q13.12	Note:	NCBI Accession No.: NP_066382
RefSeq: NP 066382   Locus ID: 50846   UniProt ID: 043323   Cytogenetics: 12q13.12	Storage:	
Locus ID: 50846   UniProt ID: 043323   Cytogenetics: 12q13.12	Stability:	Shelf life: one year from despatch.
UniProt ID: 043323   Cytogenetics: 12q13.12	RefSeq:	<u>NP 066382</u>
<b>Cytogenetics:</b> 12q13.12	Locus ID:	50846
	UniProt ID:	<u>043323</u>
Synonyms: GDMN; GDXYM; HHG-3; SRXY7	Cytogenetics:	12q13.12
	Synonyms:	GDMN; GDXYM; HHG-3; SRXY7



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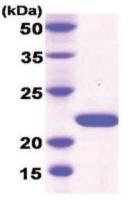
#### OriGene Technologies, Inc.

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	Desert hedgehog / DHH (23-198, His-tag) Human Protein – AR09017PU-N
Summary:	This gene encodes a member of the hedgehog family. The hedgehog gene family encodes signaling molecules that play an important role in regulating morphogenesis. This protein is predicted to be made as a precursor that is autocatalytically cleaved; the N-terminal portion is soluble and contains the signalling activity while the C-terminal portion is involved in precursor processing. More importantly, the C-terminal product covalently attaches a cholesterol moiety to the N-terminal product, restricting the N-terminal product to the cell surface and preventing it from freely diffusing throughout the organism. Defects in this protein have been associated with partial gonadal dysgenesis (PGD) accompanied by minifascicular polyneuropathy. This protein may be involved in both male gonadal differentiation and perineurial development. [provided by RefSeq, May 2010]

Protein Families:Druggable Genome, ES Cell Differentiation/IPS, ProteaseProtein Pathways:Hedgehog signaling pathway

### **Product images:**



15% SDS-PAGE (3ug)

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