Recombinant Rabbit GH1 Protein, His-tagged

Cat. No. GH1-100R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit GH1 Protein, fused to His-tag, was expressed in E. coli.
Species	Rabbit
Source	E.coli
Description	The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.
Form	Lyophilized from sterile 50mM Tris, 300mM NaCl, pH 8.0, 5% trehalose, 5% mannitol.
Molecular Mass	22.9 kDa
AA Sequence	MFPAMPLSSLFANAVLRAQHLHQLAADTYKEFERAYIPEGQRYSIQNAQAAFCFSET IPAPTGKDEAQQRSDMELLRFSLLLIQSWLGPVQFLSRAFTNTLVFGTSDRVYEKLK DLEEGIQALMRELEDGSPRVGQLLKQTYDKFDTNLRGDDALLKNYGLLSCFKKDLHK

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	AETYLRVMKCRRFVESSCVFLEHHHHHH
Purity	>90%
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	LOC100356068 somatotropin [Oryctolagus cuniculus (rabbit)]
Official Symbol	GH1
Synonyms	gh; GH1; GHB1
Gene ID	100356068
mRNA Refseq	NM_001329075
Protein Refseq	NP_001316004
UniProt ID	P46407

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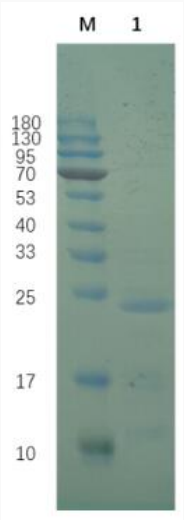
SDS-PAGE	 Reducing 12% SDS-PAGE analysis profile of purified Rabbit Growth Hormone (CBB stained).

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