Recombinant Human INS Protein, His-tagged

Cat. No. INS-856H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INS fused with His tag at the N-terminus was produced in E. coli.
Species	Human
Source	E.coli
Description	After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. Alternative splicing results in multiple transcript variants.
Form	PBS, pH 7.4
AA sequence	HHHHHHFVNQHLCGSHLVEALYLVCGERGFFYTPKTRREAEDLQVGQVELGGGPG AGSLQPLALEGSLQKRGIVEQCCTS

GENE INFORMATION

Gene Name	INS insulin [Homo sapiens]
Official Symbol	INS

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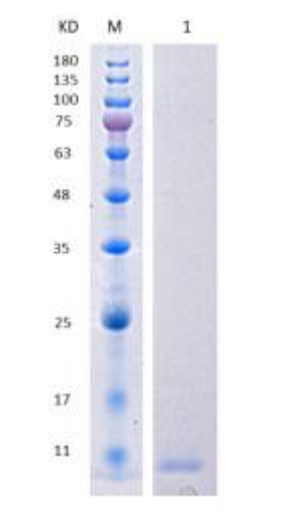
Synonyms	INS; insulin; proinsulin; ILPR; IRDN; IDDM2; MODY10;
Gene ID	3630
mRNA Refseq	NM_000207
Protein Refseq	NP_000198
UniProt ID	P01308



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