

Active Recombinant Human INS, Met, His&Lys-tagged

Cat. No. INS-607H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INS (Accession # NP_000198) Phe25-Asn110, fused with an N-terminal Met, 6-His tag and Lys, was produced in E. coli-derived.
Species	Human
Source	E.coli
ProteinLength	25-110 a.a.
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. Karey, K.P. et al. (1988) Cancer Research 48:4083. The ED50 for this effect is typically 0.15 - 0.75 µg/mL.
Molecular Mass	Recombinant Human INS, Met, His&Lys-tagged has a calculated MW of 10.5 kDa. In SDS-PAGE migrates as 9 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	INS insulin [Homo sapiens]
Official Symbol	INS
Synonyms	INS; insulin; proinsulin; ILPR; IRDN; IDDM2; MODY10;
Gene ID	3630
mRNA Refseq	NM_000207
Protein Refseq	NP_000198
MIM	
UniProt ID	P01308
Chromosome Location	11p15.5

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