

Tryptase (DAG-T1022)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Insulin is a hormone central to regulating carbohydrate and fat metabolism in the body. Insulin causes cells in the liver, muscle, and fat tissue to take up glucose from the blood, storing it as glycogen in the liver and muscle.
Nature	Native
Expression System	N/A
Species	N/A
Conjugate	Unconjugated
Applications	Positive control for ELISA or for spike and recovery testing.
Procedure	None
Concentration	~750 µg/mL
Size	100 µl
Buffer	Human recombinant insulin in Tris buffered saline with 8 mg/mL BSA and preservative.
Preservative	Proclin 300
Storage	2-8°C short term -20°C long term

ANTIGEN GENE INFORMATION

Gene Name	INS insulin [Homo sapiens]
Official Symbol	INS

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Synonyms	INS; insulin; ILPR; IRDN; IDDM2; MODY10; IN; proinsulin; Insulin B chain; Insulin A chain; OTTHUMP00000011161; OTTHUMP00000011162; OTTHUMP00000196036; OTTHUMP00000196038; OTTHUMP00000217519
Entrez Gene ID	3630
mRNA Refseq	NM_000207
Protein Refseq	NP_000198
UniProt ID	P01308
Chromosome Location	11p15.5
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; IRS activation, organism-specific biosystem; Insulin Pathway, organism-specific biosystem; Insulin Synthesis and Processing, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Oocyte meiosis, organism-specific biosystem; PI3K Cascade,
Function	hormone activity; insulin receptor binding; insulin-like growth factor receptor binding; protein binding

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