

Recombinant Human INSL3 protein, His & T7-tagged

Cat. No. INSL3-1047H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INSL3 aa. (Asp2~Cys129 (Accession # P51460) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp2~Cys129
Description	This gene encodes a member of the insulin-like hormone superfamily. The encoded protein is mainly produced in gonadal tissues. Studies of the mouse counterpart suggest that this gene may be involved in the development of urogenital tract and female fertility. This protein may also act as a hormone to regulate growth and differentiation of gubernaculum, and thus mediating intra-abdominal testicular descent. Mutations in this gene may lead to cryptorchidism. Alternate splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.9kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	INSL3 insulin like 3 [Homo sapiens (human)]
Official Symbol	INSL3
Synonyms	INSL3; insulin like 3; RLF; RLNL; ley-I-L; insulin-like 3; insulin-like 3 (Leydig cell); leydig insulin -like hormone; leydig insulin-like peptide; prepro-INSL3; relaxin-like factor b
Gene ID	3640
mRNA Refseq	NM_001265587.1

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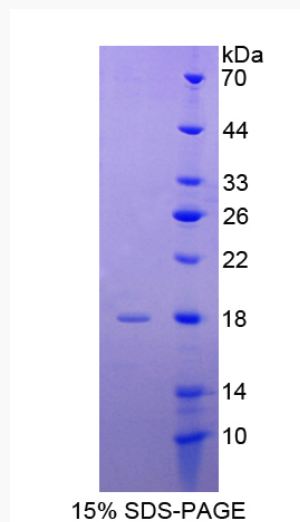
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Protein Refseq NP_001252516.1

UniProt ID P51460

SDS-PAGE



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