

Recombinant Human INSL4, His-tagged

Cat. No. INSL4-118H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Early Placenta Insulin-Like Peptide/INSL4 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ala26-Thr139) of Human INSL4 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	26-139 a.a.
Description	Early Placenta Insulin-Like Peptide (INSL4) belongs to the insulin family. INSL4 is expressed in the early placental cytotrophoblast and syncytiotrophoblast. INSL4 is a secreted protein and a precursor that undergoes post-translational cleavage to produce 3 polypeptide chains, A-C, that form tertiary structures composed of either all three chains, or just the A and B chains. INSL4 plays an important role in the development of trophoblast and in the regulation of bone formation.
AA Sequence	AELRGCGPRFGKHLLSYCPMPEKTFTTTPGGWLLESGRPKEMVSTSNNKDGQALG TTSEFIPNLS PELKKPLSEGQPSLKIIILSRKKRSGRHRFDPFCCCEVICDDGTSVKLC TVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by reducing SDS-PAGE.

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GENE INFORMATION

Gene Name	INSL4 insulin-like 4 (placenta) [Homo sapiens]
Official Symbol	INSL4
Synonyms	INSL4; insulin-like 4 (placenta); early placenta insulin-like peptide; EPIL; insulin-like peptide 4; early placenta insulin-like peptide (EPIL); PLACENTIN;
Gene ID	3641
mRNA Refseq	NM_002195
Protein Refseq	NP_002186
MIM	600910
UniProt ID	Q14641
Chromosome Location	9p24
Function	hormone activity; insulin-like growth factor receptor binding; receptor binding;

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