

Active Recombinant Chicken Insulin-Like Growth Factor 2 (Somatomedin A)

Cat. No. IGF2–323C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken Insulin-Like Growth Factor 2 (Somatomedin A) was produced in <i>E. coli</i> .
Species	Chicken
Source	E.coli
Description	Chicken Insulin-like Growth Factor 2 (Chicken IGF2) is a polypeptide of 66 amino acids, twelve of which differ from the amino acid sequence of human IGF2. Chicken IGF2 stimulates growth and differentiation in many cell types, including rat L6 myoblasts and chicken embryo fibroblasts.
Purity	>95 % (by HPLC and N-terminal sequence analysis).
Molecular Weight	7512 daltons – confirmed by Mass Spectrometry.
N-terminal Sequence Analysis	5 residues > 95 % single sequence.
Activity	Type 1 IGF receptor binding assay: ED ₅₀ <20 ng/ml. Stimulation of protein synthesis in rat L6 myoblasts: ED ₅₀ <150 ng/ml.
Endotoxin	<0.1 EU/g.

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State And Appearance	Lyophilized white powder. Dried from 0.1 M acetic acid and stored under dry nitrogen at a slight vacuum. (-25 kPa).
Storage	At least 2 years at 2 – 4°C (lyophilized).
GENE INFORMATION	
Gene Name	IGF2 insulin-like growth factor 2 (somatomedin A) [Gallus gallus]
Synonyms	IGF2; insulin-like growth factor 2 (somatomedin A); INSIGF; pp9974; C11orf43; FLJ22066; FLJ44734; insulin-like growth factor 2; somatomedin A; OTTHUMP00000011012; OTTHUMP00000011015; OTTHUMP00000011018; OTTHUMP00000011157; insulin-like growth factor II; insulin-like growth factor type 2; putative insulin-like growth factor II associated protein; C11orf43; Somatomedin-A; IGF-II; Somatomedin-A; chromosome 11 open reading frame 43; insulin-like growth factor 2 (somatomedin A); insulin-like growth factor II; putative insulin-like growth factor II associated protein; somatomedin A
Gene ID	395097
mRNA Refseq	NM_001030342
Protein Refseq	NP_001025513
Chromosome Location	5
Function	growth factor activity; hormone activity; insulin receptor binding; insulin-like growth factor receptor binding; protein binding

PDB rendering based
on 1igl.



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