

**Product:** Ovine Growth Hormone, Recombinant  
**Catalog #:** 11-OGH  
**Amount:** 50 µg

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**DESCRIPTION:** Recombinant Ovine Growth Hormone produced in E.Coli is a single, non-glycosylated polypeptide chain containing 200 amino acids and having a molecular mass of 22015 Dalton.  
The rOGH is purified by proprietary chromatographic techniques.  
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Phe-Pro-Ala.

**SOURCE:** *E.Coli* Expression System

**PURITY:** Greater than 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rOGH.

**DIMERS & AGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis

**FORM:** Purified in 0.0045mM NaHCO<sub>3</sub>.

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm using the absorbency value of 0.7 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).  
2. Analysis by RP-HPLC, using a calibrated solution of rOGH as a Reference Standard.

**CONCENTRATION:** 0.1 mg/ml

**BIOLOGICAL ACTIVITY:** rOGH is fully biologically active when compared to standard.  
The activity as determined by the dose-dependant stimulation of the proliferation FDCP13B9 cells.

**STORAGE:** -20°C (aliquot), avoid repeated freeze and thaw cycles

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