



# Recombinant Sheep Insulin-like growth factor II (IGF2)

<b>Product Code</b>	CSB-YP011088SH
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P10764
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Ovis aries (Sheep)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AYRPSE TLCGGELVDT LQFVCGDRGF YFSRPSSRIN RRSRGIVEEC CFRSCDLALL ETYCAAPAKS E
<b>Source</b>	Yeast
<b>Target Names</b>	IGF2
<b>Protein Names</b>	Recommended name: Insulin-like growth factor II Short name= IGF-II Cleaved into the following 2 chains: 1. Insulin-like growth factor II 2. Preptin
<b>Expression Region</b>	25-91
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a member of the insulin family of polypeptide growth factors that is involved in development and growth. It is an imprinted gene and is expressed only from the paternally inherited allele. It is a candidate gene for eating disorders. There is a read-through, INS-IGF2, which aligns to this gene at the 3 region and to the upstream INS gene at the 5 region. Alternatively spliced transcript variants, encoding either the same or different isoform, have been found for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.