

## Sheep GHRH receptor (GHBP) - Purified

<b>Catalog No.:</b>	AR10475PU-S
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml (prior to lyophil.)
<b>Background:</b>	GHBP is a transmembrane receptor for growth hormone. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. A common alternate allele of this gene, called GHRd3, lacks exon three and has been well-characterized. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS), a disorder characterized by short stature. Other splice variants, including one encoding a soluble form of the protein (GHRtr), have been observed but have not been thoroughly characterized
<b>Uniprot ID:</b>	<a href="#">Q28575</a>
<b>NCBI:</b>	<a href="#">NP_001009323.1</a>
<b>GenEID:</b>	<a href="#">443333</a>
<b>Species:</b>	Sheep
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Sterile Filtered White lyophilized (freeze-dried) powder <b>Purity:</b> >95.0% as determined by both RP-HPLC and SDS-PAGE analysis <b>Buffer System:</b> Lyophilized from a concentrated (1.0 mg/ml) solution with 0.0045mM NaHCO <sub>3</sub> <b>Reconstitution:</b> Restore in sterile 18MΩ-cm <sup>-1</sup> H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Description:</b>	Recombinant Ovine Growth Hormone Binding Protein produced in <i>E.coli</i> is a single, non-glycosylated, polypeptide chain containing 237 amino acids and purified by proprietary chromatographic techniques. <b>AA Sequence:</b> The sequence of the first five N-terminal amino acids was determined and was found to be <i>Ala-Phe-Ser-Gly-Ser</i> . <b>Molecular weight:</b> 28 kDa
<b>Storage:</b>	Prior to reconstitution store at 2-8°C for one month or desiccated below -18°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freezing and thawing. Shelf life: one year from despatch.