

Sheep GHRH receptor (GHBP) - Purified

Catalog No.:	AR10475PU-N
Quantity:	0.2 mg
Concentration:	1.0 mg/ml (prior to lyophil.)
Background:	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
Uniprot ID:	Q28575
NCBI:	NP_001009323.1
GenEID:	443333
Species:	Sheep
Source:	E. coli
Format:	State: Sterile Filtered White lyophilized (freeze-dried) powder Purity: >95.0% as determined by both RP-HPLC and SDS-PAGE analysis Buffer System: Lyophilized from a concentrated (1.0 mg/ml) solution with 0.0045mM NaHCO ₃ Reconstitution: Restore in sterile 18MΩ-cm ⁻¹ H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Description:	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. AA Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be <i>Ala-Phe-Ser-Gly-Ser</i> . Molecular weight: 28 kDa
Storage:	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.