

## Product datasheet for AR51962PU-N

## OriGene Technologies, Inc.

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## **Growth hormone receptor (19-264, His-tag) Human Protein**

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Growth hormone receptor (19-264, His-tag) human protein, 0.25 mg

Species: Human
Expression Host: Insect

**Expression cDNA Clone** 

or AA Sequence:

FSGSEATAAI LSRAPWSLQS VNPGLKTNSS KEPKFTKCRS PERETFSCHW TDEVHHGTKN LGPIQLFYTR RNTQEWTQEW KECPDYVSAG ENSCYFNSSF TSIWIPYCIK LTSNGGTVDE KCFSVDEIVQ PDPPIALNWT LLNVSLTGIH ADIQVRWEAP RNADIQKGWM VLEYELQYKE VNETKWKMMD PILTTSVPVY SLKVDKEYEV RVRSKQRNSG NYGEFSEVLY VTLPQMSQFT

**CEEDFYLEHH HHHH** 

Tag:His-tagPredicted MW:29.4 kDaConcentration:lot specific

Purity: >95% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Endotoxin:** < 1.0 EU per 1 microgram of protein (determined by LAL method)

**Preparation:** Liquid purified protein

**Storage:** Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

RefSeq: NP 000154

 Locus ID:
 2690

 UniProt ID:
 P10912

 Cytogenetics:
 5p13.1-p12

 Synonyms:
 GHBP; GHIP





**Summary:** 

This gene encodes a member of the type I cytokine receptor family, which 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. 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. In humans and rabbits, but not rodents, growth hormone binding protein (GHBP) is generated by proteolytic cleavage of the extracellular ligand-binding domain from the mature growth hormone receptor protein. Multiple alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jun 2011]

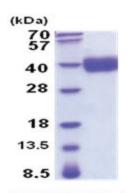
**Protein Families:** 

Druggable Genome, Transmembrane

**Protein Pathways:** 

Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Neuroactive ligand-receptor interaction

## **Product images:**



15% SDS-PAGE (3ug)