

Product datasheet for **AR51962PU-S**

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, 50 µg
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 VNETKWKMMMD PILTTSVPVY SLKVDKEYEV RVRSKQRNSG NYGEFSEVLY VTLPQMSQFT CEEDFYLEHH HHHH
Tag:	His-tag
Predicted MW:	29.4 kDa
Concentration:	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



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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: