

## Product datasheet for **RC218710L3V**

### Growth hormone receptor (GHR) (NM\_000163) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

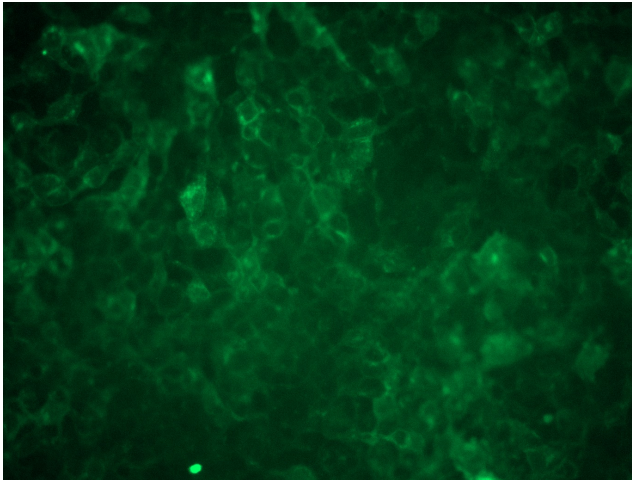
Product Type:	Lentiviral Particles
Product Name:	Growth hormone receptor (GHR) (NM_000163) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GHR
Synonyms:	GHP; GHIP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000163
ORF Size:	1914 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218710).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_000163.2</a>
RefSeq Size:	4370 bp
RefSeq ORF:	1917 bp
Locus ID:	2690
UniProt ID:	<a href="#">P10912</a>
Cytogenetics:	5p13.1-p12
Protein Families:	Druggable Genome, Transmembrane



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<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Neuroactive ligand-receptor interaction
<b>MW:</b>	71.5 kDa
<b>Gene Summary:</b>	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]

### Product images:



[RC218710L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC218710L3V particle to overexpress human GHR-Myc-DDK fusion protein.