

Table 1. A comparison of the characteristics of placental GH-V and pituitary GH-N

	Placental variant GH	Pituitary GH
Symbols	GH-V, PGH, <i>GH2</i>	GH, GH-N, <i>GH1</i>
Amino acid identity		Differs by 13 amino acids
Main isoforms	22, 20 kDa	22, 20 kDa
Other isoforms and fragments	25 kDa	9, 12, 16, 23/24 kDa
Glycosylation	N-linked glycosylation, Asn140	O-linked glycosylation
Expression profile	Syncytiotrophoblast, extravillous trophoblast cells	Anterior pituitary, somatotrophic cells, other extra-pituitary sites
Secretion	Tonic	Pulsatile
GHR affinity	High affinity	High affinity
Prolactin receptor affinity	Lower affinity, weakly lactogenic	Relatively higher affinity, strongly lactogenic
Isoelectric point (pI) (<i>Seeburg, 1982</i>)	9.9	5.5