

Product information

Growth hormone receptor, 19-265aa

Rat, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3305

NCBI Accession No.: NP_058790

Synonyms: GHR, GHR/BP

Description: GHR, also known as growth hormone receptor, is a member of the cytokine receptor superfamily. GHR forms a complex with a tyrosine kinase, suggesting involvement of a ligand-activated tyrosine kinase in intracellular signaling by growth hormone (GH). Binding of GH to its receptor results in dimerization of the receptor, phosphorylation of the tyrosine kinase JAK2 and of the receptor, followed by a cascade of protein phosphorylations. Recombinant rat GHR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

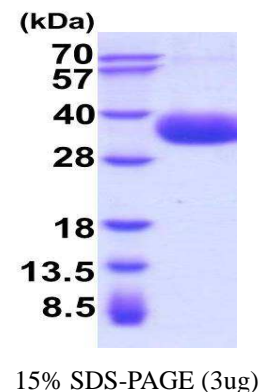
Molecular Weight: 29.4kDa (255aa)
28-40KDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Phe19

Purity: > 95% by SDS – PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

FPGSGATPAT LGKASPVLR INPSLRESS GKPRFTKCRS PELETFCYW TEGDDHNLKV PGSIQLYYAR RIAHEWTPEW KECPOYVSAG
ANSCYFNSSY TSIWIPYCIK LTTNGDLLKE KCFTVDEIVQ PDPIGLNWT LLNISLPGIR GDIQVSWQPP PSADVLRGWI ILEYEIQYKE
VNETKWKMTMS PIWSTSVPLY SLRLDKEHEV RVRSRQRSFE KYSEFSEVLR VTFPQMDTLA ACEEDFRLEH HHHHH

General references:

Sobrier ML., *et al.* (1997) *J Clin Endocrinol Metab.* 82:435-437.

Postel-Vinay MC., *et al.* (1996) *Baillieres Clin Endocrinol Metab.* 10:323-336.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.