

Growth hormone receptor, 19-264aa, Human, His tag, Insect cell

Cat.NO.: TP02336

3th Edition

Synonyms:GHR, GHBP, GHIP

Description:GHR, also known as growth hormone receptor, is a member of the cytokine receptor family. It binds two receptor molecules and thereby induces signal transduction through receptor dimerization. At high concentrations, growth hormone acts as an antagonist because of a large difference in affinities at the respective binding sites. This antagonist action can be enhanced further by reducing binding in the low affinity binding site. Recombinant human 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 (254aa) 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

FSGSEATAAILS RAPWSLQSVNPGLKTNSSKEPKFTKCRSPERETF SCHWTDEVHHGTKNLGPIQLFYTRRNTQE
WTQEWKECPDYVSAGENSCYFNSSFTSIWIPYCIKLT SNGGTVDEKCF SVDEIVQPDPPIALNWTLLNVSLTGIHADI
QVRWEAPRNADIQKGWMVLEYELQYKEVNETKWKMMDPILTTSPVYSLKVDKEYEVRVR SKQRNSGNYGEFSE
VLYVTLPQMSQFTCEEDFYLEHHHHHH

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Absorbance at 280nm)

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

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.