

Recombinant rat Growth Hormone R/GHR protein

Catalog Number: ATGP3305

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

19-265aa

UniProt No.

P16310

NCBI Accession No.

NP_058790

Alternative Names

GHR, GHR/BP

PRODUCT SPECIFICATION

Molecular Weight

29.4 kDa (255aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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phosphorylations. Recombinant rat GHR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

FPGSGATPAT LGKASPVLR INPSLRESSS GKPRFTKCRS PELETFCYIW TEGDDHNLKV PGSIQLYYAR RIAHEWTPPEW
KECPDYVSAG ANSCYFNSSY TSIWIPYCIK LTTNGDLLKE KCFTVDEIVQ PDPIGLNWT LLNISLPGIR GDIQVSWQPP
PSADVLKGIW ILEYEIQYKE VNETKWK TMS PIWSTSVPLY SLRLDKEHEV RVRSRQRSFE KYSEFSEVLR VTFPQMDTLA
ACEEDFRLEH HHHHH

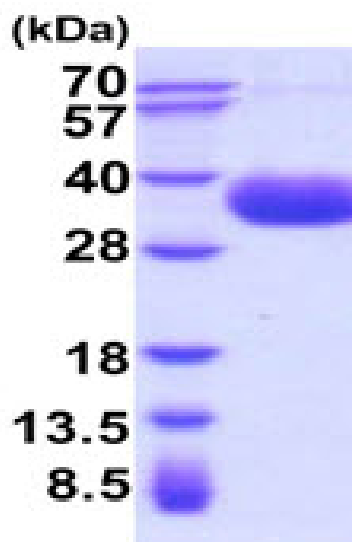
General References

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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)