
Product Data Sheet

Product Name: GHBP Rat
 Cat. No.: GP20352
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GHBP;GH receptor.		
Amino Acid Sequence	FPGSGATPAT LGKASPVLQR INPSLRESSS GKPRFTKCRS PELETFSCYWTEGDDHNLKV PGSIQLYYAR RIAHEWTP EW KECPDYVSAG ANSCYFNSSY TSIWIPYCIK LTTNGDLLKEKCF TVDEIVQ PDPPIGLNWT LLNISLPGIR GDIQVSWQPP PSADVLKGWI ILEYEIQYKEVNETKWK TMS PIWSTSVPLY SLRLDKEHEV RVRSRQRSFE KYSEFSEVLRVTFPQMDTLA ACEEDFRLEH HHHHH.		
Formulation	GHBP protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

GH receptor, also known as GHR is part of the cytokine receptor family. GHR binds 2 receptor molecules and in this manner induces signal transduction through receptor dimerization. Furthermore, at high concentrations, GH performs as an antagonist since there is a large difference in affinities at the respective binding sites. The antagonist action can be enhanced further by reducing binding in the low affinity binding site.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GHBP produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 255 amino acids (19-265.a.) and having a molecular mass of 29.4kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). GHBP is expressed

Caution: Product has not been fully validated for medical applications. For research use only.

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with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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