

Recombinant Mouse GHR (C-Fc)

Catalog #	EPT218
Expression Host	Human Cells
DESCRIPTION	Recombinant Mouse Growth Hormone Receptor is
	produced by our Mammalian expression system and
	the target gene encoding Met1-Gln273 is expressed
	with a Fc tag at the C-terminus.
Accession	Q3UP14
Synonyms	growth hormone binding protein; growth hormone
	receptor; serum binding protein; Somatotropin
	receptor;GHR; GH receptor; GHBP
Mol Mass	58.3 KDa
AP Mol Mass	65-90 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of PBS, pH
	7.4.



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RECONSTITUTION Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. SHIPPING The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. Lyophilized protein should be stored at < -20 ° C, STORAGE though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at $< -20^{\circ}$ C for 3 months. BACKGROUND Growth hormone receptor is a transmembrane receptor for growth hormone (GH). GH is a single-chain polypeptide that is mainly synthesized and released from the anterior pituitary gland and



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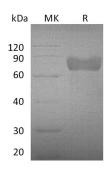
plays essential roles in growth, development and

metabolism. GH exerts its physiological actions via GH

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binding to its receptor in its extracellular domain. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intraand intercellular signal transduction pathway leading to growth. Growth hormone receptor has been shown to interact with SGTA, PTPN11, Janus kinase 2, Suppressor of cytokine signaling 1 and CISH.



SDS-PAGE



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