

Growth hormone receptor (GHR) Active Protein | GHR active protein

Recombinant Human Growth hormone receptor (GHR), partial (Active)

CATALOG # AAA279212	HOST Mammalian cell
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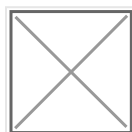
PRODUCT SYNONYMS

Growth hormone receptor (GHR); Recombinant Human Growth hormone receptor (GHR); partial (Active); Somatotropin receptor; Serum-binding protein; GHR active protein

PRODUCT SPECIFICATIONS

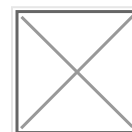
Host	Mammalian cell
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	27-264aa; Partial
Sequence	AILSRAPWSL QSVNPGLKTN SSKEPKFTKC RSPERETFSC HWTDEVHHGT KNLGPIQLFY TRRNTQEWTD EWKECPDYVS AGENSCYFNS SFTSIWIPYC IKLTSNGGTV DEKCFVDEI VQDPPIALN WTLNLSLTG IHADIQVRWE APRNADIQKG WMVLEYELQY KEVNETKWKM MDPILTTSVP VYSLKVDKEY EVRVRSKQRN SGNYGEFSEV LYVTLPQMSQ FTCEEDFY\$
Species	Homo sapiens (Human)
Tag	C-terminal hFc-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	1. Measured by its binding ability in a functional ELISA. Immobilized GH1 at 1 ug/ml can bind human GHR, the EC50 of human GHR protein is 24.96-33.39 ng/ml. 2. Human GH1 protein his/myc tag captured on COOH chip can bind Human GHR protein Fc tag with an affinity constant of 6.1 nM as detected by LSPR Assay.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity

Measured by its binding ability in a functional ELISA. Immobilized GH1 at 1 ?g/ml can bind human GHR, the EC50 of human GHR protein is 24.96-33.39 ng/ml.



SDS-PAGE

Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for GHR active protein	Receptor for pituitary gland growth hormone involved in regulating postnatal body growth.
Product Categories/Family for GHR active protein	Active Protein & In Stock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503993
NCBI GeneID	2690
NCBI Accession #	NP_000154.1
NCBI GenBank Nucleotide #	NM_000163.4
UniProt Accession #	P10912; Q9HCX2
Molecular Weight	71,500 Da
NCBI Official Full Name	growth hormone receptor isoform 1
NCBI Official Synonym Full Names	growth hormone receptor
NCBI Official Symbol	GHR
NCBI Official Synonym Symbols	GHBP
NCBI Protein Information	growth hormone receptor; GH receptor; serum binding protein; somatotropin receptor; growth hormone binding protein
UniProt Protein Name	Growth hormone receptor
UniProt Gene Name	GHR
UniProt Synonym Gene Names	GH receptor; GH-binding protein; GHBP
UniProt Entry Name	GHR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mammalian-cell-active-protein/growth-hormone-receptor-ghr/279212>