

Growth Hormone Active Protein | GH1 active protein

Growth Hormone Protein, Human, Recombinant

CATALOG #
AAA258048

HOST
E Coli

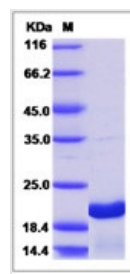
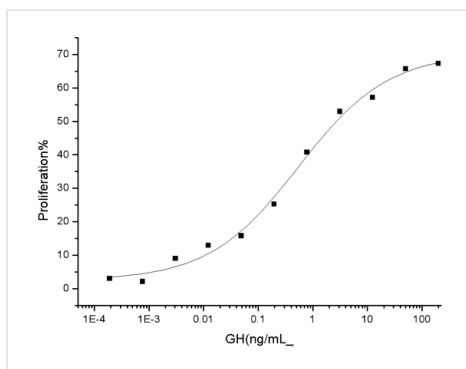
PRODUCT SYNONYMS

Growth Hormone; Growth Hormone Protein; Human; Recombinant; Human GH1/Growth hormone 1 Protein; GH Protein; GH-N Protein; GH1 Protein; GHB5 Protein; GHN Protein; Growth hormone 1 Protein; hGH-N Protein; IGHD1B Protein; growth hormone 1; GH1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Phe27-Phe217
Species	Human
Activity	Measured by its ability to promote proliferation of INS-1 cells. The ED50 for this effect is 0.2-1ng/mL.
Predicted N Terminal	Phe 27
Tag	N-cleavage
Protein Construction	A DNA sequence encoding the human GH1 (P01241)(Phe27-Phe217) was expressed.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



SDS-PAGE

Application Data

Measured by its ability to promote proliferation of INS-1 cells. The ED50 for this effect is 0.2-1 ng/mL.

ADDITIONAL INFORMATION

Product Categories/Family for GH1 active protein	Neurotransmitter Associated Enzymes
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134703
NCBI GeneID	2688
UniProt Accession #	P01241; Q14405; Q16631; Q5EB53; Q9HBZ1; Q9UMJ7; Q9UNL5; A6NEF6
Molecular Weight	217
NCBI Official Full Name	Somatotropin
NCBI Official Synonym Full Names	growth hormone 1
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GH; GHN; GH-N; hGH-N; IGHD1B
NCBI Protein Information	somatotropin; pituitary growth hormone
UniProt Protein Name	Somatotropin
UniProt Gene Name	GH1
UniProt Synonym Gene Names	GH; GH-N
UniProt Entry Name	SOMA_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/e-coli-gh1-active-protein/growth-hormone/258048>