

Product datasheet for **AM20625PU-N**

Growth Hormone (GH1) Mouse Monoclonal Antibody [Clone ID: GA-8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	GA-8
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin sections: 2 - 4 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant hGH.
Specificity:	This antibody reacts to Somatotropin.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	growth hormone 1
Database Link:	Entrez Gene 2688 Human P01241



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Background:	Growth Hormone (GH) is mapped to 17q22-q24. Human growth hormone has a molecular mass of 22,005 and contains 191 amino acid residues with 2 disulfide bridges. It binds two receptor molecules and thereby induces signal transduction through receptor dimerization. At high concentrations, GH acts as an antagonist because of a large difference in affinities at the respective binding sites.
Synonyms:	Pituitary growth hormone, Growth hormone 1, HGH
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Neuroactive ligand-receptor interaction