

GAS6 Protein, Cynomolgus, Recombinant (His)

General Information

Synonyms:	FLJ34709;AXLLG;GAS6;DKFZp666G247;GAS-6
Protein Construction:	Ala31-Ala637
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A2K5VGX7
Molecular Weight:	68.55 kDa (predicted). Due to glycosylation, the protein migrates to 69-74 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	<ol style="list-style-type: none">1. Immobilized Cynomolgus GAS6, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-Gas6 Antibody, hFc Tag with the EC50 of 26.1ng/ml determined by ELISA (QC Test).2. Cynomolgus Axl, His Tag immobilized on CM5 Chip can bind Cynomolgus GAS6, His Tag with an affinity constant of 1.70 nM as determined in SPR assay.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	<p>It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.</p> <p><small>Actual storage temperature shall be subject to the COA.</small></p>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Growth arrest-specific 6, also known as Gas6, is a human gene encoding the Gas6 protein, which was originally found to be upregulated in growth-arrested fibroblasts. Gas6 is a member of the vitamin K-dependent family of

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proteins expressed in many human tissues and regulates several biological processes in cells, including proliferation, survival and migration, by binding to its receptors Tyro3, Axl and Mer (TAM).

Reference

Wu G, et al. Targeting Gas6/TAM in cancer cells and tumor microenvironment. Mol Cancer. 2018 Jan 31;17(1):20. doi: 10.1186/s12943-018-0769-PMID: 29386018; PMCID: PMC5793417.

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