# Recombinant Human GAS6 Protein (Fc Tag)

**RPES8372**

## Product Information

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| **Product SKU**: | RPES8372 | **Expression Host**: | Mammalian | **Size**: | 20µg |
| **Tag**: | C-Fc | **Reactivity**: | Human | **Accession**: | Q14393 |

## Additional Information

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| **Calculated MW:** | 96.2 kDa | **Observed MW:** | 100 kDa |
| **Sequence**: | Ala31-Ala678 | | |

## Protein Information

**Background**: The growth arrest-specific 6 gene (GAS6) is a member of the family of plasma vitamin K-dependent proteins, which are able to bind to phospholipids using an N-terminal gamma-carboxyglutamic acid domain. GAS6 is a vitamin K-dependent protein, plays a role in the survival, proliferation, migration, differentiation, adhesion, and apoptosis of cells. The growth arrest-specific 6 (GAS6) has been implicated in systemic inflammation and coagulation. Growth arrest-specific 6 (GAS6), plays a role in tumor progression by regulating growth in many cancers. GAS6, expressed by osteoblasts in the bone marrow, plays a significant role in the regulation of PCa cell survival during chemotherapy, which will have important implications for targeting metastatic disease. The GAS6/TYRO3-AXL-MERTK (TAM) signaling pathway is essential for full and sustained platelet activation, as well as thrombus stabilization. Inhibition of this pathway decreases platelet aggregation, shape change, clot retraction, aggregate formation under flow conditions, and surface expression of activation markers. It had been show that GAS6 signaling regulates invasion, proliferation, chemotherapy-induced apoptosis of prostate cancer (PCa) cells, and GAS6 secreted from osteoblasts in the bone marrow environment plays a critical role in establishing prostate tumor cell dormancy.

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| **Synonyms**: | growth arrest-specific, growth arrest-specific protein, GAS, GAS6, AXLLG, AXSF, AXLLGAXL stimulatory factor, AXSFAXL receptor tyrosine kinase ligand, GAS-6, growth arrest-specific 6, growth arrest-specific protein 6, CNR1, CNR |
| **Endotoxin**: | < 1.0 EU/mg of the protein as determined by the LAL method |
| **Formulation**: | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol. |
| **Purity**: | > 90% as determined by reducing SDS-PAGE. |
| **Bio-Activity**: | Not validated for activity |
| **Storage**: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months. |

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