GAS6 (human), (recombinant) (His-tag)

The growth arrest-specific 6 gene (GAS6) is a vitamin K-dependent protein that 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, coagulation, and 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. 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.

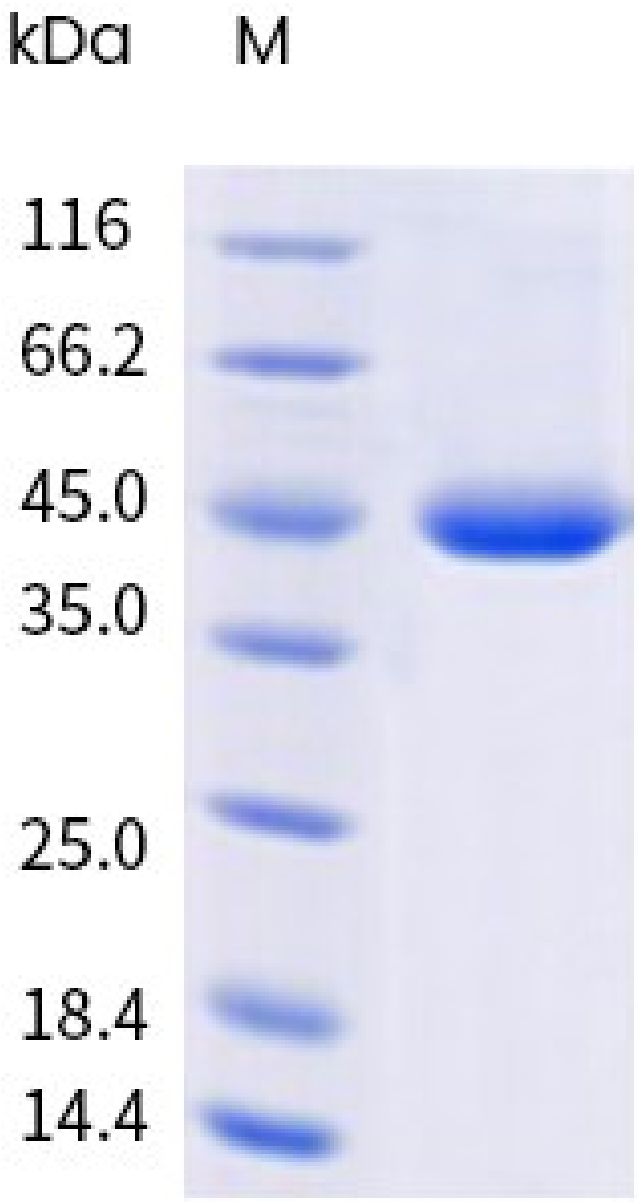
Ordering Information

Order Online »

ENZ-PRT326-0100	100µg

Manuals, SDS & CofA

View Online »



It migrates as approximately 43.9 kDa band in SDS-PAGE under reducing conditions.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Growth arrest-specific protein 6, AXL receptor tyrosine kinase ligand
Endotoxin Content	<1 EU/μg (LAL method)
Formulation	Lyophilized from sterile 20 mM Tris, 150 mM NaCl, 10% Glycerol, 10% Trehalose, 0.1 M Arg, pH 8.0.
MW	~43.9 kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Reconstitution	Reconstitute with sterile deionized water. Reconstitution instructions are lot specific.
Source	Produced in HEK293 cells. A DNA sequence encoding the human GAS6 (Asp279-Ala678) was expressed with a polyhistidine tag at the N-terminus.
UniProt ID	Q14393-2

Last modified: November 7, 2024

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