

RPCB2124

Product Information

Product SKU: RPCB2124	Gene ID: 2621	Size: 10µg
Tag: C-His	Reactivity: human	

Additional Information

Expression Host: HEK293 cells	Swissprot: Q14393-2
Purity: > 90% by SDS-PAGE.	

Protein Information

Background: GAS-6 is a multimodular protein that is up-regulated by a wide variety of cell types in response to growth arrest . Gas6 and the structurally related Protein S are vitamin K-dependent and have an extensively gamma -carboxylated N-terminal Gla domain, four EGF-like repeats, and a C-terminal region with homology to steroid hormone binding globulin (SHBG) . Gas6 binds and induces signaling through the receptor tyrosine kinases Axl, Dtk, and Mer . Human Gas6 interacts with both mouse and rat orthologs of these receptors . The full length isoform may be cleaved, resulting in release of the free SHBG region which can independently activate Axl . Shed soluble forms of Axl and Mer bind Gas6 and function as decoy receptors . Gas6 induces a variety of responses, including prevention of apoptosis , cell proliferation , platelet-mediated thrombosis , retinal epithelial cell phagocytosis of outer rod segments , inhibition of VEGF-induced endothelial cell chemotaxis , and the differentiation and expansion of NK cell precursors . The affinity of Gas6 for phosphatidylserine likely contributes to its role in promoting the phagocytosis of apoptotic cells . Several of these effects have been shown to require gamma -carboxylation of the Gla domain .

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human GAS-6 Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 1 EU/µg of the protein by LAL method.

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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Formulation:

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage:

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.