

Recombinant Mouse Growth Arrest Specific 6, His-tagged

Cat. No. Gas6-1741M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The DNA sequence encoding the signal peptide from CD33 (Met 1 - Ala 16), fused to the carboxy-terminal 6X his-tagged mature mouse Gas6 (Asp 115 - Pro 673) lacking the Gla domain was expressed in NSO cells.
Species	Mouse
Source	Mammalian Cells
Protein Length	45307 a.a.
Description	Growth arrest-specific 6, also known as GAS6 is a growth factor that serves as a ligand for members of the Axl subfamily of receptor protein-tyrosine kinases. GAS6 is expressed in hematopoietic tissue. GAS6 function as a direct regulator of osteoclastic function; they give an insight into the role of these vitamin K-dependent ligands in bone resorption in vivo. GAS6 has a potential therapeutic target to minimize graft-versus-host disease (GVHD).
Molecular Weight	The predicted molecular weight of Recombinant Mouse Gas6 is Mr 62 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 72 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.

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Biological Activity The biological activity of Mouse Gas6 was determined by its ability to bind rmAxl/Fc in a functional ELISA. Immobilized rmAxl/Fc at 2 µg/ml (100 µl/well) can bind rmGas6 with a linear range of 0.08 - 5 ng/ml.

Storage And Stability This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name Gas6 growth arrest specific 6 [*Mus musculus*]

Synonyms Gas6; growth arrest specific 6; Gas-6; GAS 6; growth arrest-specific

Gene ID 14456

mRNA Refseq NM_019521

Protein Refseq NP_062394

UniProt ID Q61592

Chromosome Location 8 A1.1; 8 5.0 cM

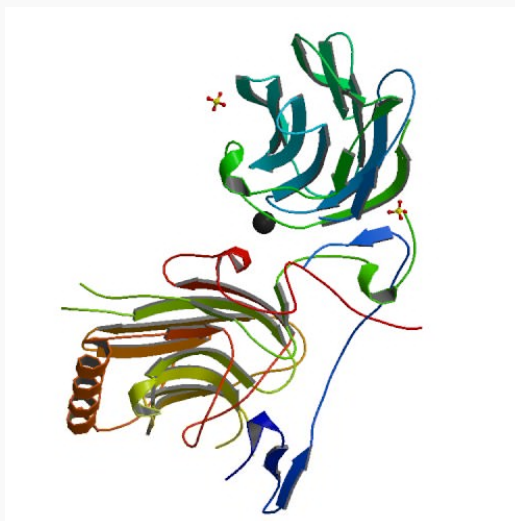
Function calcium ion binding; metal ion binding

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