
Product Data Sheet

Product Name: GAS7 Human
 Cat. No.: GP23536
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GAS7; GAS-7; Growth arrest-specific protein 7; KIAA0394; MGC1348; MLL/GAS7.		
Amino Acid Sequence	<p>MGSSHHHHHH SSGLVPRGSH MKPGMVPPPP GEESQTVILP PGWQSYLSPQ GRRYYVNTTT NETTWERPSS SPGIPASPGS HRSSLPPTVN GYHASGTPAH PPETAHMSVR KSTGDSQNLG SSSPSKKQSK ENTITINCVT FPHPDTMPEQ QLLKPTWEYSY CDYFWADKKD PQGNGTVAGF ELLQKQLKG KQMQKEMSEF IRERIKIEED YAKNLAKLSQ NSLASQEEGS LGEAWAQVKK SLADEAEVHL KFSAKLHSEV EKPLMNFREN FKKDMKKCDH HIADLRKQLA SRYASVEKAR KALTERQRDL EMKTQQLEIK LSNKTEEDIK KARRKSTQAG DDLMRCVDLY NQAQSKWFEE MVTTTLELER LEVERVEMIR QHLCQYTQLR HETDMFNQST VEPVDQLLRK VDKAKDRELW VREHKTGNIR PVDMEI.</p>		
Formulation	The GAS7 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl, 2mM DTT and 10% glycerol.		

Introduction

GAS7 is mainly expressed in terminally differentiated brain cells and predominantly in mature cerebellar Purkinje neurons. GAS7 is involved in neuronal development by promoting maturation and morphological differentiation of cerebellar neurons. Inhibition of GAS7 production in terminally differentiating cultures of embryonic murine cerebellum impedes neurite outgrowth. Over-expression of GAS7 initiates the development of human osteosarcoma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GAS7 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 436 amino acids (1-416a.a.) and having a molecular mass of 49.8 kDa. GAS7 is fused to 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

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