Product information

GAS7, 1-416aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No.IBATGP0295

Full name: Growth arrest-specific 7, isoform b

NCBI Accession No.: NP_958836

Synonyms: KIAA0394

Description: Growth arrest-specific 7, also known as GAS7, is expressed primarily in terminally differentiated brain cells and predominantly in mature cerebellar Purkinje neurons. GAS7 plays a putative role 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. Conversely, the hyper-expression of GAS7 may play an important role in the initiation and development of human osteosarcoma. Recombinant GAS7, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by conventional chromatography techniques.

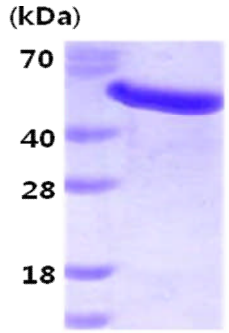
Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 2mM DTT, 10% glycerol

Molecular Weight: 49.8 kDa (436 aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MKPGMVPPPP GEESQTVILP PGWQSYLSPQ GRRYYVNTTT NETTWERPSS SPGIPASPGS HRSSLPPTVN
GYHASGTPAH PPETAHMSVR KSTGDSQNLG SSSPSKKQSK ENTITINCVT FPHPDTMPEQ QLLKPTEWSY CDYFWADKKD PQGNGTVAGF
ELLLQKQLKG KQMQKEMSEF IRERIKIEED YAKNLAKLSQ NSLASQEEGS LGEAWAQVKK SLADEAEVHL KFSAKLHSEV EKPLMNFREN
FKKDMKKCDH HIADLRKQLA SRYASVEKAR KALTERQRDL EMKTQQLEIK LSNKTEEDIK KARRKSTQAG DDLMRCVDLY NQAQSKWFEE
MVTTTLELER LEVERVEMIR QHLCQYTQLR HETDMFNQST VEPVDQLLRK VDPAKDRELW VREHKTGNIR PVDMEI

General references:

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Product information

Chao CC., *et al*. (2005). *J Neurosci Res.* **81**(2):153-62

She BR., *et al*. (2002). *Exp Cell Res.* **273**(1):34-44.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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