

Recombinant Human Growth Arrest-specific 7, His-tagged

Cat. No. GAS7-507H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GAS7 fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by conventional chromatography techniques. MW=49.8kDa.
Species	Human
Source	E.coli
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. The hyper-expression of GAS7 may play an important role in the initiation and development of human osteosarcoma.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MKPGMVPPPP GEESQTVILP PGWQSYLSPQ GRRYYVNTTT NETTWERPSS SPGIPASPGS HRSSLPPTVN GYHASGTPAH PPETAHMSVR KSTGDSQNLG SSSPSKKQSK ENTITINCVT FPHPDTMPEQ QLLKPTESY CDYFWADKKD PQGNGTVAGF ELLQKQLKG KQMCKEMSEF IRERIKIEED YAKNLAKLSQ NSLASQEEGS LGEAWAQVKK SLADEAEVHL KFSAKLHSEV EKPLMNFREN FKKDMKKCDH HIADLRKQLA SRYASVEKAR KALTERQRDL EMKTQQLEIK LSNKTEEDIK KARRKSTQAG DDLMRCDVLY NQAQSKWFEE MVTITLELER LEVERVEMIR QHLCQYTQLR HETDMFNQST VEPVDQLLRK VDKAKDRELW VREHKTGNIR PVDMEI.

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From	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 100mM NaCl, 2mM DTT, 10% glycerol.
Purity	> 95% by SDS-PAGE.
Concentration	1mg/ml (determined by Bradford assay).
Endotoxin Level	<1.0 EU per 1µg of protein (determined by LAL method).
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.

GENE INFORMATION

Gene Name	GAS7 growth arrest-specific 7 [Homo sapiens]
Synonyms	GAS7; growth arrest-specific 7; MGC1348; KIAA0394; MLL/GAS7;Growth arrest-specific protein 7;GAS-7;MLL/GAS7 fusion protein
Gene ID	8522
mRNA Refseq	NM_001130831
Protein Refseq	NP_001124303
MIM	603127
UniProt ID	O60861
Chromosome Location	17p13.1

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Function

actin filament binding;protein binding;transcription factor activity

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