

## GAS7 Human

**Description:** 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.

**Catalog #:** PRPS-687

**Synonyms:** GAS7, GAS-7, Growth arrest-specific protein 7, KIAA0394, MGC1348, MLL/GAS7.

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MKPGMVPPPP GEESQTVILP  
PGWQSYLSPQ GRRYYVNTTT NETTWERPSS SPGIPASPGS HRSSLPPTVN GYHASGTPAH  
PPETAHMSVR KSTGDSQNLG SSSPSKKQSK ENTITINCVT FPHPDTMPEQ QLLKPTWSY  
CDYFWADKKD PQGNGTVAGF ELLLQKQLKG KQMCKEMSEF IRERIKIEED YAKNLAKLSQ  
NSLASQEEGS LG

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The GAS7 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl, 2mM DTT and 10% glycerol.

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

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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