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**GAS7, 1-416aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP02201**

3th Edition

**Synonyms:**Growth arrest-specific 7, isoform b, 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.

**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)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMKPGMVPPPPGEESQTVILPPGWQSYLSPQGRRYYVNTTTNETTWERPSSSPGI  
PASPGSHRSSLPPTVNGYHASGTPAHPPEAHMSVRKSTGDSQNLGSSSPSKKQSKENTITINCVTFPHDPTMPE  
QQLLKPTSEWSYCDYFWADKKDPQGNQTVAGFELLQQLKQKQKQKEMSEFIRERIKIEEDYAKNLAKLSQNSLAS  
QEEGSLGEAWAQVKKSLADEAEVHLKFSAKLHSEVEKPLMNFRENFKKDMKKCDHHIADLRKQLASRYASVEKAR  
KALTERQRDLEMKTQQLLEIKLSNKTEEDIKKARRKSTQAGDDLMRCVDLYNQAQSKWFEEMVTTTLELERLEVERV  
EMIRQHLCQYTLRHETDMFNQSTVEPVDQLLRKVDPKADRELWVREHKTGNIRPVDMEI

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug 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.