



Recombinant Protein Technical Manual  
Recombinant Human Growth Arrest-Specific Protein  
7/GAS7 Protein (His Tag)  
RPES0118

#### Product Data:

**Product SKU:** RPES0118

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** O60861

#### Protein Information:

**Molecular Mass:** 49.4 kDa

**AP Molecular Mass:** 57 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 2mM DTT, 10% Glycerol, pH 8.8.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Growth Arrest-Specific Protein 7; GAS-7; GAS7; KIAA0394

## Immunogen Information:

**Sequence:** Met 1-Ile412

## Background:

Growth Arrest-Specific Protein 7 (GAS7) is expressed primarily in terminally differentiated brain cells and predominantly in mature cerebellar Purkinje neurons. GAS7 may play a 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 a major role in the initiation and development of human osteosarcoma.