

Recombinant Human GAS7, GST-tagged

Cat. No. GAS7-13163H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GAS7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 184-382a.a.

Description Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase belonging to the alpha class. The alpha class genes, which are located in a cluster on chromosome 6, are highly related and encode enzymes with glutathione peroxidase activity that function in the detoxification of lipid peroxidation products. Reactive electrophiles produced by oxidative metabolism have been linked to a number of degenerative diseases including Parkinsons disease, Alzheimers disease, cataract formation, and atherosclerosis.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name [GAS7 growth arrest-specific 7 \[Homo sapiens \]](#)

Official Symbol GAS7

Synonyms GAS7; growth arrest-specific 7; growth arrest-specific protein 7; KIAA0394; MGC1348; MLL/GAS7 fusion protein; MLL/GAS7;

Gene ID [8522](#)

mRNA Refseq [NM_001130831](#)

Protein Refseq [NP_001124303](#)

MIM [603127](#)

UniProt ID [O60861](#)

Chromosome Location 17p13.1

Function actin filament binding; sequence-specific DNA binding transcription factor activity;

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