Datasheet for ABIN1096723

GAS7 Protein (AA 1-412) (His tag)

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Overview

Quantity:	50 µg
Target:	GAS7
Protein Characteristics:	AA 1-412
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAS7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Growth Arrest-Specific Protein 7/GAS-7/KIAA0394 (N-6His)
Sequence:	MGSSHHHHHH SSGLVPRGSH MVPPPPGEES QTVILPPGWQ SYLSPQGRRY YVNTTTNETT WERPSSSPGI PASPGSHRSS LPPTVNGYHA SGTPAHPPET AHMSVRKSTG DSQNLGSSSP SKKQSKENTI TINCVTFPHP DTMPEQQLLK PTEWSYCDYF WADKKDPQGN GTVAGFELLL QKQLKGKQMQ KEMSEFIRER IKIEEDYAKN LAKLSQNSLA SQEEGSLGEA WAQVKKSLAD EAEVHLKFSA KLHSEVEKPL MNFRENFKKD MKKCDHHIAD LRKQLASRYA SVEKARKALT ERQRDLEMKT QQLEIKLSNK TEEDIKKARR KSTQAGDDLM RCVDLYNQAQ SKWFEEMVTT TLELERLEVE RVEMIRQHLC QYTQLRHETD MFNQSTVEPV DQLLRKVDPA KDRELWVREH KTGNIRPVDM EI
Characteristics:	Recombinant Human Growth Arrest-Specific Protein 7/GAS-7 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Ile412) of Human GAS7 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	GAS7
Alternative Name:	Growth Arrest-Specific Protein 7/GAS-7 (GAS7 Products)
Sub Type:	Fusionprotein
Background:	Growth Arrest-Specific Protein 7 (GAS7) is expressed primarily in terminalaly 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 cerebullum impedes neurite outgrowth. The hyper-expression of GAS7 may play an major role in the initiation and development of huaman osteosarcoma. Alternative Names: Growth Arrest-Specific Protein 7, GAS-7, GAS7, KIAA0394
Molecular Weight:	49.4 kDa
UniProt:	O60861

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 2 mM DTT, 10 % Glycerol, pH 8.8.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months