

Gene Section

Short Communication

GASC1 (gene amplified in squamous cell carcinoma 1)

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Published in Atlas Database: December 2002

Online updated version : <http://AtlasGeneticsOncology.org/Genes/GASC1ID432.html>
DOI: 10.4267/2042/37927

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Identity

Other names: GASC1 (Gene amplified in squamous cell carcinoma 1); KIAA0780

HGNC (Hugo): JMJD2C

Location: 9p23-24

DNA/RNA

Note

At least 22 exons spanning approximately 417194 bps. 4239 bp mRNA; coding sequence: 3171 bp.

Protein

Description

1056 amino acid; possesses PHD domain.

Implicated in

Amplification and overexpression in cell lines derived from esophageal squamous cell carcinomas

References

Yang ZQ, Imoto I, Fukuda Y, Pimkhaokham A, Shimada Y, Imamura M, Sugano S, Nakamura Y, Inazawa J. Identification of a novel gene, GASC1, within an amplicon at 9p23-24 frequently detected in esophageal cancer cell lines. *Cancer Res.* 2000 Sep 1;60(17):4735-9

Yang ZQ, Imoto I, Pimkhaokham A, Shimada Y, Sasaki K, Oka M, Inazawa J. A novel amplicon at 9p23 - 24 in squamous cell carcinoma of the esophagus that lies proximal to GASC1 and harbors NFIB. *Jpn J Cancer Res.* 2001 Apr;92(4):423-8

This article should be referenced as such:

Yang ZQ. GASC1 (gene amplified in squamous cell carcinoma 1). *Atlas Genet Cytogenet Oncol Haematol.* 2003; 7(1):22.