

Gene Section

Short Communication

REG4 (regenerating gene type IV)

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Identity

Other names: REG-IV (regenerating gene type IV)

HGNC (Hugo): REG4

Location: 1p12

Location (base pair): 119174

DNA/RNA

Description

The gene spans 17 kb; 1191 bp cDNA; 6 exons; ORF: 474 bp.

Protein

Description

158 amino acids, 18 kDa.

Expression

Gastrointestinal tract: stomach, small intestine, colon, and pancreas. High expression in Crohn's disease and in ulcerative colitis.

Function

Supposed to be involved in cell regeneration and/or survival.

Homology

With other members of the REG family, of which are PSP/REG-I alpha and PAP.

Mutations

Somatic

Strongly expressed in colorectal tumors as compared to normal colon tissue.

References

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Violette S, Festor E, Pandrea-Vasile I, Mitchell V, Adida C, Dussaulx E, Lacorte JM, Chambaz J, Lacasa M, Lesuffleur T. Reg IV, a new member of the regenerating gene family, is overexpressed in colorectal carcinomas. *Int J Cancer*. 2003 Jan 10;103(2):185-93

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