

DIRC1

Identity

Location 2q33

DNA/RNA

Description The DIRC1 gene contains 2 exons and spans approximately 57 kb of genomic DNA.

Protein

Description 104 amino acids

Expression Expression in adult placenta, testis, ovary, prostate, and in fetal kidney, spleen, and skeletal muscle.

Function unknown

Implicated in

Entity t(2;3)(q33;q21) in [hereditary renal cell cancer](#).

Disease Familial renal cell cancer.

Cytogenetics Disruption of the gene because of the t(2;3) translocation.

External links

	Nomenclature
GDB	DIRC1
Entrez Gene	DIRC1 116093 disrupted in renal carcinoma 1
	Cards
Atlas	DIRC1ID499
GeneCards	DIRC1
Ensembl	DIRC1
CancerGene	DIRC1
Genatlas	DIRC1
GeneLynx	DIRC1
eGenome	DIRC1
euGene	116093
	Genomic and cartography
GoldenPath	DIRC1 - 2q33 chr2:189423971-189480337 - 2q32.2 (hg17-May_2004)
Ensembl	DIRC1 - 2q32.2 [CytoView]
NCBI	Genes Cyto Gene Seq [Map View - NCBI]
OMIM	Disease map [OMIM]
HomoloGene	DIRC1
	Gene and transcription
Genbank	AY039013 [SRS] AY039013 [ENTREZ]
Genbank	AY039011 [SRS] AY039011 [ENTREZ]
RefSeq	NM_052952 [SRS] NM_052952 [ENTREZ]
RefSeq	NT_086633 [SRS] NT_086633 [ENTREZ]
AceView	DIRC1 AceView - NCBI
TRASER	DIRC1 Traser - Stanford
Unigene	Hs.470892 [SRS] Hs.470892 [NCBI] HS470892 [spliceNest]
	Protein : pattern, domain, 3D structure

[SwissProt](#) [Q969H9](#) [SRS] [Q969H9](#) [EXPASY] [Q969H9](#) [INTERPRO]
[CluSTr](#) [Q969H9](#)
[Blocks](#) [Q969H9](#)

Polymorphism : SNP, mutations, diseases

[OMIM](#) [606423](#) [[map](#)]
[GENECLINICS](#) [606423](#)
[SNP](#) [DIRC1](#) [dbSNP-NCBI]
[SNP](#) [NM_052952](#) [SNP-NCI]
[SNP](#) [DIRC1](#) [GeneSNPs - Utah] [DIRC1](#) [SNP - CSHL] [DIRC1](#) [HGBASE - SRS]

General knowledge

[Family Browser](#) [DIRC1](#) [UCSC Family Browser]
[SOURCE](#) [NM_052952](#)
[SMD](#) [Hs.470892](#)
[SAGE](#) [Hs.470892](#)
[PubGene](#) [DIRC1](#)

Other databases

[Probes](#)

[PubMed](#)

[PubMed](#) [1 Pubmed reference\(s\) in LocusLink](#)

Bibliography

The DIRC1 gene at chromosome 2q33 spans a familial RCC-associated t(2;3)(q33;q21) chromosome translocation.

Druck T, Podolski J, Byrski T, Wyrwicz L, Zajaczek S, Kata G, Borowka A, Lubinski J, Huebner K.

J Hum Genet 2001; 46(10): 583-589.

Medline [11587072](#)

Characterization of a familial RCC-associated t(2;3)(q33;q21) chromosome translocation.

Podolski J, Byrski T, Zajaczek S, Druck T, Zimonjic DB, Popescu NC, Kata G, Borowka A, Gronwald J, Lubinski J, Huebner K.

J Hum Genet 2001; 46(12): 685-693.

Medline [11776380](#)

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[BiblioGene - INIST](#)

Contributor(s)

Written 06-2004 Anita Bonn , Eric Schoenmakers, Ad Geurts van Kessel.

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URL : <http://www.infobiogen.fr/services/chromcancer/Genes/DIRC1ID499.html>

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