

ALEX1 (arm protein lost in epithelial cancers, X chromosome, 1)

Identity

Location Xq22.1

DNA/RNA

Description spans 4.2 kb; 4 exons; exon 4 is the only coding exon

Transcription cDNA: 2141 bp

Protein

Description 453 amino acids, 49 kDa.; contains a transmembrane domain in N term, an ATP/GTP binding site, 2 arm (armadillo) repeats, and potential phosphorylation sites

Expression wide in normal tissues, except leucocytes; lost or significantly reduced in carcinomas

Homology with [ALEX2](#) and [ALEX3](#)

External links

Nomenclature

[GDB](#)

[ARMCX1](#)

[Entrez Gene](#)

[ARMCX1_51309](#) armadillo repeat containing, X-linked 1

Cards

[Atlas](#)

[ALEX1Xq22ID477](#)

[GeneCards](#)

[ARMCX1](#)

[Ensembl](#)

[ARMCX1](#)

[CancerGene](#)

[ALEX1](#)

[Genatlas](#)

[ARMCX1](#)

[GeneLynx](#)

[ARMCX1](#)

[eGenome](#)

[ARMCX1](#)

[euGene](#)

[51309](#)

Genomic and cartography

[GoldenPath](#)

[ARMCX1 - Xq22.1](#) [chrX:100611659-100615818 + Xq22.1](#) (hg17-May_2004)

[Ensembl](#)

[ARMCX1 - Xq22.1 \[CytoView\]](#)

[NCBI](#)

[Genes Cyto](#) [Gene Seq](#) [Map View - NCBI]

[OMIM](#)

[Disease map \[OMIM\]](#)

[HomoloGene](#)

[ARMCX1](#)

Gene and transcription

[Genbank](#)

[CQ782722](#) [SRS] [CQ782722](#) [ENTREZ]

[Genbank](#)

[AB039670](#) [SRS] [AB039670](#) [ENTREZ]

[Genbank](#)

[AF248963](#) [SRS] [AF248963](#) [ENTREZ]

[Genbank](#)

[AK074785](#) [SRS] [AK074785](#) [ENTREZ]

[Genbank](#)

[BC002691](#) [SRS] [BC002691](#) [ENTREZ]

[RefSeq](#)

[NM_016608](#) [SRS] [NM_016608](#) [ENTREZ]

[RefSeq](#)

[NT_086963](#) [SRS] [NT_086963](#) [ENTREZ]

[AceView](#)

[ARMCX1](#) AceView - NCBI

[TRASER](#)

[ARMCX1](#) Traser - Stanford

Unigene	Hs.9728 [SRS] Hs.9728 [NCBI] HS9728 [spliceNest]
	Protein : pattern, domain, 3D structure
	Polymorphism : SNP, mutations, diseases
OMIM	300362 [map]
GENECLINICS	300362
SNP	ARMCX1 [dbSNP-NCBI]
SNP	NM_016608 [SNP-NCI]
SNP	ARMCX1 [GeneSNPs - Utah] ARMCX1 [SNP - CSHL] ARMCX1 [HGBASE - SRS]
	General knowledge
Family Browser	ARMCX1 [UCSC Family Browser]
SOURCE	NM_016608
SMD	Hs.9728
SAGE	Hs.9728
Amigo	function binding
PubGene	ARMCX1
	Other databases
	Probes
	PubMed
PubMed	2 Pubmed reference(s) in LocusLink

Bibliography

ALEX1, a novel human armadillo repeat protein that is expressed differentially in normal tissues and carcinomas.

Kurochkin IV, Yonemitsu N, Funahashi SI, Nomura H.
 Biochem Biophys Res Commun. 2001; 280: 340-347.
 Medline [11162520](#)

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[Last year publications](#) *automatic search in PubMed*

[BiblioGene - INIST](#)

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Written 07-2003 Jean-Loup Huret, Sylvie Senon

Citation

This paper should be referenced as such :

Huret JL, Senon S . ALEX1 (arm protein lost in epithelial cancers, X chromosome, 1).
 Atlas Genet Cytogenet Oncol Haematol. July 2003 .
 URL : <http://www.infobiogen.fr/services/chromcancer/Genes/ALEX1Xq22ID477.html>

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