Homo sapiens sex determining region Y (SRY), RefSeqGene on chromosome Y

NCBI Reference Sequence: NG_011751.1

FASTA Graphics

Go to:

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REFERENCE 1 (bases 1 to 7897)
AUTHORS Calvo SE, Pagliarini DJ and Mootha VK.
TITLE Upstream open reading frames cause widespread reduction of protein expression and are polymorphic among humans
JOURNAL Proc Natl Acad Sci U S A 106 (18), 7507-7512 (2009)
PUBMED 19372376
REFERENCE 2 (bases 1 to 7897)
AUTHORS Sekido R and Lovell-Badge R.
TITLE Sex determination and SRY: down to a wink and a nudge?
JOURNAL Trends Genet 25 (1), 19-29 (2009)
PUBMED 19027189
REMARK Review article
REFERENCE 3 (bases 1 to 7897)
AUTHORS Clepet C, Schafer AJ, Sinclair AH, Palmer MS, Lovell-Badge R and Goodfellow PN.
TITLE The human SRY transcript
JOURNAL Hum Mol Genet 2 (12), 2007-2012 (1993)
PUBMED 8111368
REFERENCE 4 (bases 1 to 7897)
AUTHORS Behlke MA, Bogan JS, Beer-Romero P and Page DC.
TITLE Evidence that the SRY protein is encoded by a single exon on the human Y chromosome
JOURNAL Genomics 17 (3), 736-739 (1993)
PUBMED 8244390
REFERENCE 5 (bases 1 to 7897)
AUTHORS Su H and Lau YF.
TITLE Identification of the transcriptional unit, structural organization, and promoter sequence of the human sex-determining region Y (SRY) gene, using a reverse genetic approach

JOURNAL Am J Hum Genet 52 (1), 24-38 (1993)
PUBMED 8434602
REFERENCE 6 (bases 1 to 7897)
AUTHORS Mohnach,L., Fechner,P.Y. and Keegan,C.E.
TITLE Nonsyndromic Disorders of Testicular Development Overview
JOURNAL (in) Adam MP, Everman DB, Mirzaa GM, Pagon RA, Wallace SE, Bean LJH, Gripp KW and Amemiya A (Eds.); GENEREVIEWS((R)); (1993)
PUBMED 20301714
REFERENCE 7 (bases 1 to 7897)
AUTHORS Delot,E.C. and Vilain,E.J.
TITLE Nonsyndromic 46,XX Testicular Disorders/Differences of Sex Development
JOURNAL (in) Adam MP, Everman DB, Mirzaa GM, Pagon RA, Wallace SE, Bean LJH, Gripp KW and Amemiya A (Eds.); GENEREVIEWS((R)); (1993)
PUBMED 20301589
REFERENCE 8 (bases 1 to 7897)
AUTHORS Sinclair AH, Berta P, Palmer MS, Hawkins JR, Griffiths BL, Smith MJ, Foster JW, Frischauf AM, Lovell-Badge R and Goodfellow PN.
TITLE A gene from the human sex-determining region encodes a protein with homology to a conserved DNA-binding motif
JOURNAL Nature 346 (6281), 240-244 (1990)
PUBMED 1695712
COMMENT REVIEWED REFSEQ: This record has been curated by NCBI staff. The reference sequence was derived from AC006040.3.
This sequence is a reference standard in the RefSeqGene project.

Summary: This intronless gene encodes a transcription factor that is a member of the high mobility group (HMG)-box family of DNA-binding proteins. This protein is the testis-determining factor (TDF), which initiates male sex determination. Mutations in this gene give rise to XY females with gonadal dysgenesis (Swyer syndrome); translocation of part of the Y chromosome containing this gene to the X chromosome causes XX male syndrome. [provided by RefSeq, Jul 2008].

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