

Sex-determining region Y protein Recombinant Protein | Sry recombinant protein

Recombinant Mouse Sex-determining region Y protein

CATALOG # AAA113930	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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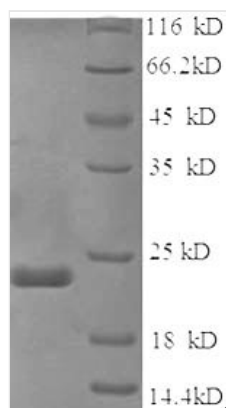
PRODUCT SYNONYMS

Sex-determining region Y protein; Recombinant Mouse Sex-determining region Y protein; Testis-determining factor; Sry recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-144aa; Partial
Sequence	MEGHVKRPMN AFMVWSRGER HKLAQQNPSM QNTEISKQLG CRWKSLEAE KRPFFQEAQR LKILHREKYP NYKYQPHRRA KVSQRSGILQ PAVASTKLYN LLQWDRNPHA ITYRQDWSRA AHLYSKNQQS FYWQPVDIPT GHLQ
Sequence Length	395
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Sry recombinant protein	Transcriptional regulator that controls a genetic switch in male development. It is necessary and sufficient for initiating male sex determination by directing the development of supporting cell precursors (pre-Sertoli cells) as Sertoli rather than granulosa cells. In male adult brain involved in the maintenance of motor functions of dopaminergic neurons. Involved in different aspects of gene regulation including promoter activation or repression. SRY HMG box recognizes DNA by partial intercalation in the minor groove. Promotes DNA bending. Also involved in pre-mRNA splicing. Binds to the DNA consensus sequence 5'-[AT]AACAA[AT]-3'. 1 Publication
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References	Inverted repeat structure of the Sry locus in mice.Gubbay J., Vivian N., Economou A., Jackson D., Goodfellow P.Proc. Natl. Acad. Sci. U.S.A. 89:7953-7957(1992) Rapid evolution of the sex determining locus in Old World mice and rats.Tucker P.K., Lundrigan B.L.Nature 364:715-717(1993) Polymorphism of a CAG trinucleotide repeat within Sry correlates with B6.YDom sex reversal.Coward P., Nagai K., Chen D., Thomas H.D., Nagamine C.M., Lau Y.-F.C.Nat. Genet. 6:245-250(1994) A gene mapping to the sex-determining region of the mouse Y chromosome is a member of a novel family of embryonically expressed genes.Gubbay J., Collignon J., Koopman P., Capel B., Economou A., Munsterberg A., Vivian N., Goodfellow P., Lovell-Badge R.Nature 346:245-250(1990) Definition of a consensus DNA binding site for SRY.Harley V.R., Lovell-Badge R., Goodfellow P.N.Nucleic Acids Res. 22:1500-1501(1994) Distinct DNA-binding properties of the high mobility group domain of murine and human SRY sex-determining factors.Giese K., Pagel J., Grosschedl R.Proc. Natl. Acad. Sci. U.S.A. 91:3368-3372(1994) Expression of Sry, the mouse sex determining gene.Hacker A., Capel B., Goodfellow P., Lovell-Badge R.Development 121:1603-1614(1995) Expression of a linear Sry transcript in the mouse genital ridge.Jeske Y.W., Bowles J., Greenfield A., Koopman P.Nat. Genet. 10:480-482(1995) Developmental profile of Sry transcripts in mouse brain.Mayer A., Mosler G., Just W., Pilgrim C., Reisert I.Neurogenetics 3:25-30(2000) Evidence that Sry is expressed in pre-Sertoli cells and Sertoli and granulosa cells have a common precursor.Albrecht K.H., Eicher E.M.Dev. Biol. 240:92-107(2001) The C-terminal nuclear localization signal of the sex-determining region Y (SRY) high mobility group domain mediates nuclear import through importin beta 1.Forwood J.K., Harley V., Jans D.A.J. Biol. Chem. 276:46575-46582(2001) Sry-directed sex reversal in transgenic mice is robust with respect to enhanced DNA bending comparison of human and murine HMG boxes.Phillips N.B., Nikolskaya T., Jancso-Radek A., Ittah V., Jiang F., Singh R., Haas E., Weiss M.A.Biochemistry 43:7066-7081(2004) Regulation of human SRY subcellular distribution by its acetylation/deacetylation.Thevenet L., Mejean C., Moniot B., Bonneaud N., Galeotti N., Aldrian-Herrada G., Poulat F., Berta P., Benkirane M., Boizet-Bonhoure B.EMBO J. 23:3336-3345(2004) Sry associates with the heterochromatin protein 1 complex by interacting with a KRAB domain protein.Oh H.J., Li Y., Lau Y.-F.C.Biol. Reprod. 72:407-415(2005) NHERF2/SIP-1 interacts with mouse SRY via a different mechanism than human SRY.Thevenet L., Albrecht K.H., Malki S., Berta P., Boizet-Bonhoure B., Poulat F.J. Biol. Chem. 280:38625-38630(2005) Direct regulation of adult brain function by the male-specific factor SRY.Dewing P., Chiang C.W., Sinchak K., Sim H., Fernagut P.-O., Kelly S., Chesselet M.-F., Micevych P.E., Albrecht K.H., Harley V.R., Vilain E.Curr. Biol. 16:415-420(2006) The poly(ADP-ribose) polymerase 1 interacts with Sry and modulates its biological functions.Li Y., Oh H.J., Lau Y.-F.C.Mol. Cell. Endocrinol. 257:35-46(2006) Sry and the hesitant beginnings of male development.Polanco J.C., Koopman P.Dev. Biol. 302:13-24(2007) KRAB a partner for SRY action on chromatin.Oh H.J., Lau Y.F.Mol. Cell. Endocrinol. 247:47-52(2006)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6755761
NCBI GeneID	21674
NCBI Accession #	NP_035694.1
NCBI GenBank Nucleotide #	NM_011564.1
UniProt Accession #	Q05738
Molecular Weight	21.2 kDa
NCBI Official Full Name	sex-determining region Y protein
NCBI Official Synonym Full Names	sex determining region of Chr Y
NCBI Official Symbol	Sry
NCBI Official Synonym Symbols	Tdf; Tdy
NCBI Protein Information	sex-determining region Y protein
UniProt Protein Name	Sex-determining region Y protein
UniProt Gene Name	Sry
UniProt Synonym Gene Names	Tdf; Tdy
UniProt Entry Name	SRY_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/sry-recombinant-protein-e-coli/113930>