

Recombinant Human SRY Protein, His-tagged

Cat. No. SRY-454H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRY(Met1~Leu204) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Leu204
Description	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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	27.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein.

Stability

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

[SRY sex determining region Y \[Homo sapiens \]](#)

Official Symbol

[SRY](#)

Synonyms

SRY; sex determining region Y; sex-determining region Y protein; TDF; testis determining factor; testis-determining factor; sex-determining region on Y; sex determining region protein; essential protein for sex determination in human males; TDY; SRXX1; SRXY1;

Gene ID

[6736](#)

mRNA Refseq

[NM_003140](#)

Protein Refseq

[NP_003131](#)

MIM

[480000](#)

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UniProt ID

Q05066

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