Recombinant Mouse SRY Protein (1-144 aa), His-tagged

Cat. No. SRY-819M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SRY Protein (1-144 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Mouse
Source	E.coli
ProteinLength	1-144 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	21.2 kDa
AA Sequence	MEGHVKRPMNAFMVWSRGERHKLAQQNPSMQNTEISKQLGCRWKSLTEAEKRPF FQEAQRLKILHREKYPNYKYQPHRRAKVSQRSGILQPAVASTKLYNLLQWDRNPHAI

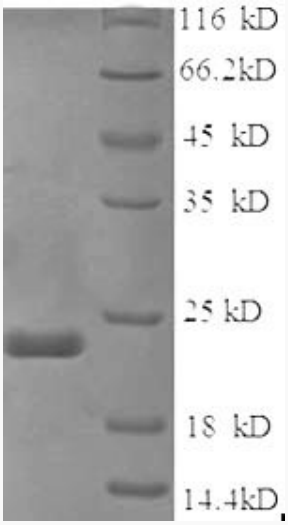
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	TYRQDWSRAAHLYSKNQQSFYWQPVDIPTGHLQ
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	Sry sex determining region of Chr Y [Mus musculus]
Official Symbol	SRY
Synonyms	SRY; Tdf; Tdy; MGC129295;
Gene ID	21674
mRNA Refseq	NM_011564
Protein Refseq	NP_035694
UniProt ID	Q05738

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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