

Recombinant Mouse Sex-determining region Y protein(Sry),partial

Catalog No: #AP70807

Package Size: #AP70807-1 20ug #AP70807-2 100ug #AP70807-3 1mg

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Description

Product Name	Recombinant Mouse Sex-determining region Y protein(Sry),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-144aaSequence Info:Partial
Other Names	Testis-determining factor
Accession No.	Q05738
Calculated MW	21.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MEGHVKRPMNAFMVWSRGERHKLAAQQNPSMQNTEISKQLGCRWKSLEAEKRPFQEAQRLKILHREKYPN YKYQPHRRAKVSQSRSGILQPAVASTKLYNLLQWDRNPHAITYRQDWSRAAHLYSKNQQSFYWQPVDIPTGHL Q
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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

References

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)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.