

Datasheet for ABIN7546284  
**SRY Protein (AA 1-204) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SRY
Protein Characteristics:	AA 1-204
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRY protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SRY Protein expressed in mammalian cells.
Sequence:	<p>MQSYASAMLS VFNSDDYSPA VQENIPALRR SSSFLCTESC NSKYQCETGE NSKGNVQDRV KRPMNAFIVW SRDQRRKMAL ENPRMRNSEI SKQLGYQWKM LTEAEKWPFQ QEAQKLQAMH REKYPNYKYR PRRKAKMLPK NCSLLPADPA SVLCSEVQLD NRLYRDDCTK ATHSRMEHQL GHLPPINAAS SPQQRDRYSH WTKL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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## Target Details

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Target:	SRY
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Alternative Name:	SRY ( <a href="#">SRY Products</a> )
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Background:	Sex-determining region Y protein (Testis-determining factor),FUNCTION: Transcriptional regulator that controls a genetic switch in male development (PubMed:11563911). 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 (PubMed:16996051, PubMed:16414182). Involved in different aspects of gene regulation including promoter activation or repression (PubMed:9525897). Binds to the DNA consensus sequence 5'-[AT]AACAA[AT]-3' (PubMed:1425584, PubMed:8265659, PubMed:8159753, PubMed:11563911, PubMed:15170344). SRY HMG box recognizes DNA by partial intercalation in the minor groove and promotes DNA bending (PubMed:1425584, PubMed:8265659, PubMed:8159753, PubMed:11563911, PubMed:15170344, PubMed:16762365). Also involved in pre-mRNA splicing (PubMed:11818535). In male adult brain involved in the maintenance of motor functions of dopaminergic neurons (By similarity). {ECO:0000250 UniProtKB:P36394, ECO:0000269 PubMed:11563911, ECO:0000269 PubMed:11818535, ECO:0000269 PubMed:1425584, ECO:0000269 PubMed:15170344, ECO:0000269 PubMed:16762365, ECO:0000269 PubMed:8159753, ECO:0000269 PubMed:8265659, ECO:0000269 PubMed:9525897, ECO:0000303 PubMed:16414182, ECO:0000303 PubMed:16996051}.
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## Target Details

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Molecular Weight: 23.9 kDa

UniProt: [Q05066](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months