



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### H2AFY (Human) Recombinant Protein (P01)

**Catalog Number:** H00009555-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human H2AFY full-length ORF ( NP\_613258.2, 1 a.a. - 372 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MSSRGGKKKSTKTSRSKAGVIFPVGRMLRYIKKGHP  
KYRIGVGAPVYMAAVLEYLTAIEILELAGNAARDNKKGR  
VTPRHILLAVANDEELNQLLKGVTIASGGVLPNIHPELL  
AKKRGSKGKLEAITPPPAAKAKSPSQKPKVSKKAGGK  
KGARKSKKKQGEVSKAASADSTTEGTPADGFTVLSTK  
SLFLGQKLNLIHSEISNLAGFEVEAIINPTNADIDLKDDL  
GNTLEKKGGKEFVEAVLELRKKNNGPLEVAGAAVSAGH  
GLPAKFVIHCNSPVWGADKCEELLEKTVKNCALALADD  
KKLKSIAFPSIGSGRNGFPKQTAACLILKAISSYFVSTM  
SSSIKTVYFVLFDSSESIGIYVQEMAKLDAN
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 66

**Interspecies Antigen Sequence:** Mouse (98); Rat (98)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 9555

**Gene Symbol:** H2AFY

**Gene Alias:** H2A.y, H2A/y, H2AF12M, H2AFJ, MACROH2A1.1, mH2A1, macroH2A1.2

**Gene Summary:** Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]