Recombinant Human H2BFWT Protein, GST-tagged

Cat. No. H2BFWT-4541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human H2BFWT partial ORF (NP_001002916.1, 31 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is a member of the H2B histone family that is specifically expressed in sperm nuclei. A polymorphism in the 5' UTR of this gene is associated with male infertility.[provided by RefSeq, Oct 2015]
Molecular Mass	36.74 kDa
AA Sequence	GPSSETTSEEQLITQEPKEANSTTSQKQSKQRKRGRHGPRRCHSNCRGDSFATYF RRVLKQVHQGLSLSREAVSVMDSLVHDILDRIATEAGHLARSTKR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

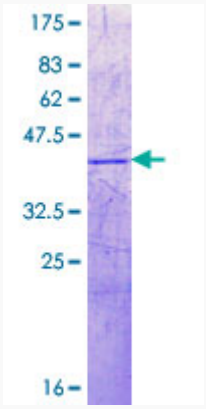
Tel: 1-631-559-9269 1-516-512-3133
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	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	H2BFWT H2B histone family member W, testis specific [Homo sapiens (human)]
Official Symbol	H2BFWT
Synonyms	H2BFWT; H2B histone family member W, testis specific; histone H2B type W-T; H2B Histone Family Member W, Testis Specific; H2B Histone Family, Member W, Testis-Specific; H2B Histone Family Member W Testis-Specific; H2A Histone Family Member B2; H2A.Bbd; H2A Histone Family, Member B2; Histone H2A-Bbd Type 2/3; H2A Barr Body-Deficient; H2A Barr Body Deficient; H2AFB2 H2AFB3
Gene ID	158983
mRNA Refseq	NM_001002916
Protein Refseq	NP_001002916
MIM	300507
UniProt ID	Q7Z2G1

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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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