

Recombinant Full Length Human BSPRY Protein, GST-tagged

Cat. No. BSPRY-3744HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BSPRY full-length ORF (AAH01477.1, 1 a.a. - 193 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	193 amino acids
Description	This gene encodes a 190 kD nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also acts as a tumor suppressor. The BRCA1 gene contains 22 exons spanning about 110 kb of DNA. The encoded protein combines with other tumor suppressors, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex known as the BRCA1-associated genome surveillance complex (BASC). This gene product associates with RNA polymerase II, and through the C-terminal domain, also interacts with histone deacetylase complexes. This protein thus plays a role in transcription, DNA repair of double-stranded breaks, and recombination. Mutations in this gene are responsible for approximately 40% of inherited breast cancers and more than 80% of inherited breast and ovarian cancers. Alternative splicing plays a role in modulating the subcellular localization and physiological function of this gene. Many alternatively spliced transcript variants, some of which are disease-associated mutations, have been described for this gene, but the full-length nature of only some of these variants has been described. A related pseudogene, which is also located on chromosome 17, has been identified.

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Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	47.8 kDa
AA Sequence	MSAEGAEPGPGSGSGPGPGPLCPEHGQALSWFCGSERRPVCAACAGLGGRCRG HRIRRAEERAEELRNKIVDQCERLQLQSAAITKYVADVLPGKNQRAVSMASAARELVI QRLSLVRSLSCESEEQRLLQVHGEEERAHQSILTQRVHWAEALQKLDTIRTGLVGML THLDDLQLIQKEQEIFERHRGHTDR
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 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	BSPRY B-box and SPRY domain containing [Homo sapiens]
Official Symbol	BSPRY
Synonyms	BSPRY; B-box and SPRY domain containing; B box and SPRY domain-containing protein; FLJ20150; zetin 1; B-box and SPRY-domain containing protein;
Gene ID	54836
mRNA Refseq	NM_017688
Protein Refseq	NP_060158
MIM	619683

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UniProt ID

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