Recombinant Mouse Hsf2bp Protein, Myc/DDK-tagged

Cat. No. Hsf2bp-3447M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length heat shock transcription factor 2 binding protein (Hsf2bp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Meiotic recombination factor component of recombination bridges involved in meiotic double-strand break repair. Modulates the localization of recombinases DMC1:RAD51 to meiotic double-strand berak (DSB) sites through the interaction with BRCA2 and its recruitment during meiotic recombination. Indispensable for the DSB repair, homologous synapsis, and crossover formation that are needed for progression past metaphase I, is essential for spermatogenesis and male fertility. Required for proper recombinase recruitment in female meiosis. Inhibits BNC1 transcriptional activity during spermatogenesis, probably by sequestering it in the cytoplasm. May be involved in modulating HSF2 activation in testis.
Molecular Mass	38 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Hsf2bp heat shock transcription factor 2 binding protein [Mus musculus (house mouse)]
Official Symbol	Hsf2bp
Synonyms	HSF2BP; heat shock transcription factor 2 binding protein; 4932437G14Rik
Gene ID	74377
mRNA Refseq	NM_028902
Protein Refseq	NP_083178
UniProt ID	Q9D4G2

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