

Datasheet for ABIN7548324

HSF2BP Protein (AA 1-334) (His tag)



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Overview

Quantity:	1 mg
Target:	HSF2BP
Protein Characteristics:	AA 1-334
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSF2BP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HSF2BP Protein expressed in mammalian cells.
Sequence:	<p>MGEAGAAEEA CRHMGTKKEF VKVRKKDLER LTTEVMQIRD FLPRILNGEV LESFQKLKIV EKNLERKEQE LEQLKMDCEH FKARLETVQA DNIREKKEKL ALRQQLNEAK QLLQQAIEYC TEMGAAACTL LWGVSSSEEV VKAILGGDKA LKFFSITGQT MESFVKSLDG DVQELDSDES QFVFALAGIV TNVAAIACGR EFLVNSSRVL LDTILQLLGD LKPGQCTKLK VLMLMSLYNV SINLKGLKYI SESPFIPLL WWLLSDPAE VCLHVLRLVQ SVVLEPEVFS KSASEFRSSL PLQRILAMSK SRNPRLQTAA QELLEDLRTL EHNV 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.</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:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and 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.

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

Target Details

Target:	HSF2BP
Alternative Name:	HSF2BP (HSF2BP Products)
Background:	Heat shock factor 2-binding protein,FUNCTION: 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 break (DSB) sites through the interaction with BRCA2 and its recruitment during meiotic recombination (By similarity) (PubMed:31242413). 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 (By similarity). Required for proper recombinase recruitment in female meiosis (By similarity). Inhibits BNC1 transcriptional activity during spermatogenesis, probably by sequestering it in the cytoplasm (By similarity). May be involved in modulating HSF2 activation in testis (PubMed:9651507). {ECO:0000250 UniProtKB:Q9D4G2, ECO:0000269 PubMed:31242413, ECO:0000269 PubMed:9651507}.
Molecular Weight:	37.6 kDa
UniProt:	O75031

Application Details

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

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