

Product datasheet for **RG208668**

HS1BP3 (NM_022460) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HS1BP3 (NM_022460) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HS1BP3
Synonyms:	ETM2; HS1-BP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208668 representing NM_022460 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTCCCCGGCGGTGCTCGTCACCTCCAGGCGACTTCAGAATGCCACACTGGCCTCGACCTGACTG
TGCCCCAGCACCAGGAGGTACGGGGCAAGATGATGTCTGGACACGTGGAGTACCAGATCCTGGTGGTGAC
CCGTCTGGCTGCGTTCAAGTCGGCCAAGCACAGGCCCGAGGATGTCGTCCAGTTCCTGGTCTCCAAAAG
TACAGCGAGATTGAGGAGTTTACCAGAACTGAGCAGTCGTTATGCAGCAGCCAGCCTCCCCCACTAC
CCAGGAAGTCTGTTTGGGGAGTCTGACATCCGGGAGAGGAGCCGTGTTCAATGAGATCCTGCG
CTGTGTCTCCAAGGATGCCGAGTTGGCAGGCAGCCAGAGCTGTAGAGTTCCTTAGTACCAGATCCCCA
GGGGCTGCAGGGCTCACCAGCAGAGATTCTGTCTGGATGGCACAGACAGTCAGACAGGGAATGATG
AAGAGGCTTTCGACTTTTTGAGGAGCAAGACCAAGTGGCAGAAGAGGGTCCGCCCTCCAGAGCCTGAA
GGGCGAGGATGCTGAGGAATCCTTGAGGAGGAGGAAGCGCTGGACCCTCTGGGCATTATGCGCTCCAAG
AAGCCCAAGAAACATCCCAAAGTGGCCGTGAAAGCCAAGCCCTCGCCCCGGCTCACCATCTTTGACGAGG
AGGTGGACCCTGATGAGGGGCTCTTTGGCCCGGCAGGAAGCTGTCTCCACAGGACCCTCGGAGGACGT
GTCATCCATGGACCCCTGAAGCTATTTGATGATCCTGACCTCGCGGGGCCATCCCCCTGGGTGACTCC
CTCCTGCTGCCGCGCCTGTGAGAGTGGAGGGCCACACCCAGCCTCAGCCACAGGGAGCCTCCAAGG
AACTGTTTCAGAGTTGAAGAGGACTTGGACCAGATTCTGAACCTGGGAGCTGAGCCCAAACCAAGCCCCA
GCTTAAGCCCAAGCCACAGTGGCAGCTAAGCCGGTGATACCCAGAAAACCAGCTGTTCCCCCAAGCG
GGCCCGCTGAAGCTGTGGCTGGGCAGCAGAAGCCGAGGAGCAGATCCAAGCCATGGACGAGATGGACA
TCTTGAGTACATCCAGGACCAGATACACCAGCCAGGCCACCCCAAGCCTCTTC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208668 representing NM_022460
Red=Cloning site Green=Tags(s)

MQSPAVL VTSRRLQNAHTGLDL TVPQHQEV RGKMMSGHVEYQIL VVTRLAAF KSAKHRPEDVVQFLVSKK
 YSEIEEFYQKLSRYAAASL PPLPRKVL FVGESDIRERRAVFNEILRCVSKDAELAGSPELLEFLGTRSP
 GAAGLTSRDSSVLDGTDSTGNDEEAFDFEEQDQVAEEGPPVQSLKGEDAEE SLEEEEEALDPLGIMRSK
 KP KHPKVAVKAKPSPRLTIFDEEVDPEGLFGPGRKLSPODPSEDVSSMDPLKLFDDPDLGGAIPLGDS
 LLLPAACESGGTPSLSHRDASKELFRVEEDLDQILNLGAEPKPKPQLKPKPPVAAKPVIPRKPAPVPPKA
 GPAEAVAGQQKPQEIQAMD EMDILQYIQDHDTPAQATPSLF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022460

ORF Size: 1176 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_022460.3](#), [NP_071905.3](#)

RefSeq Size: 2403 bp

RefSeq ORF: 1179 bp

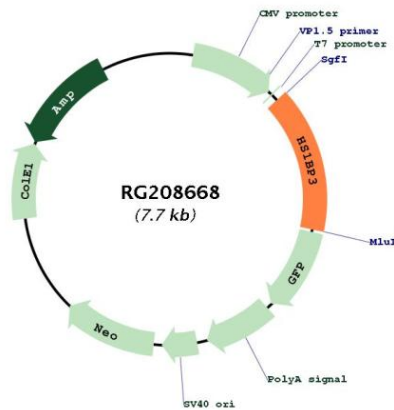
Locus ID: 64342

UniProt ID: [Q53T59](#)

Cytogenetics: 2p24.1

Gene Summary: The protein encoded by this gene shares similarity with mouse Hs1bp3, an Hcls1/Hs1-interacting protein that may be involved in lymphocyte activation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208668