

# **Product datasheet for RC223993**

### HAX1 (NM\_001018837) Human Tagged ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: HAX1 (NM\_001018837) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: HAX1

Synonyms: HCLSBP1; HS1BP1; SCN3

Mammalian Cell Neomycin

Selection:

E. coli Selection:

Vector:

pCMV6-Entry (PS100001)

ORF Nucleotide >RC223993 representing NM\_001018837

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

Kanamycin (25 ug/mL)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGCCTCTTTGATCTCTCCGGGGCTTTTTCGGCTTTCCTGGACCTCGGAGCTTCAGCCCAGGAGGAG
GGATACGTTTCCACGATAACTTCGGCTTTGATGACCTAGTACGAGATTTCAATAGCATCTTCAGCGATAT
GGGGGCCTGGACCTTGCCTTCCCATCCTCCTGAACTTCCAGGTCCTGAGTCAGAGACACCTGGTGAGAGA
CTACGGGAGGGACAGACACTTCGGGACTCAATGCTTAAGTATCCAGATAGTCACCAGCCCAGGATCTTTG
GGGGGGTCTTGGAGAGTGATGCAAGAAGTGAATCCCCCCAACCAGCACCAGACTGGGGCTCCCAGAGGCC
ATTTCATAGGTTTGATGATGATGTATGGCCTATGGACCCCCATCCTAGAACCAGAGAGGACAATGATCTTGAT
TCCCAGGTTTCCCAGGAGGGTCTTGGCCCGGTTCTACAGCCCCAGCCCAAATCCTATTTCAAGAGCATCT
CTGTGACCAAGATCACTAAACCAGATGGGATAGTGGAGGAGCGCCGGACTGTGGTGGACAGTGAGGGCCG
GACAGAGACTACAGTAACCCGACACGAAGCAGATAGCAGTCCTAGGGGTGATCCAGAATCACCAAGACCT
CCAGCCCTGGATGATGCCTTTTCCATCCTGGACTTATTCCTGGGACGTTGGTTCCGGTCCCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223993 representing NM\_001018837

Red=Cloning site Green=Tags(s)

MSLFDLFRGFFGFPGPRSFSPGGGIRFHDNFGFDDLVRDFNSIFSDMGAWTLPSHPPELPGPESETPGER LREGQTLRDSMLKYPDSHQPRIFGGVLESDARSESPQPAPDWGSQRPFHRFDDVWPMDPHPRTREDNDLD SQVSQEGLGPVLQPQPKSYFKSISVTKITKPDGIVEERRTVVDSEGRTETTVTRHEADSSPRGDPESPRP PALDDAFSILDLFLGRWFRSR

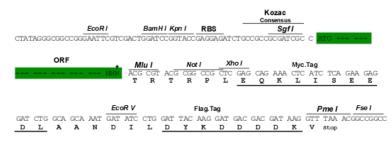
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk6488">https://cdn.origene.com/chromatograms/mk6488</a> f04.zip

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001018837

ORF Size: 693 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:** <u>NM 001018837.2</u>

RefSeq Size:1052 bpRefSeq ORF:696 bpLocus ID:10456

 UniProt ID:
 000165

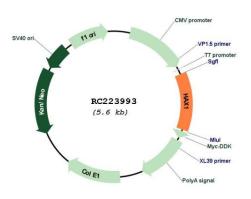
 Cytogenetics:
 1q21.3

 MW:
 25.9 kDa

Gene Summary:

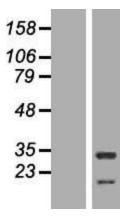
The protein encoded by this gene is known to associate with hematopoietic cell-specific Lyn substrate 1, a substrate of Src family tyrosine kinases. It also interacts with the product of the polycystic kidney disease 2 gene, mutations in which are associated with autosomal-dominant polycystic kidney disease, and with the F-actin-binding protein, cortactin. It was earlier thought that this gene product is mainly localized in the mitochondria, however, recent studies indicate it to be localized in the cell body. Mutations in this gene result in autosomal recessive severe congenital neutropenia, also known as Kostmann disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 20081

## **Product images:**



Circular map for RC223993





Western blot validation of overexpression lysate (Cat# [LY422672]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223993 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).