

Product datasheet for **RC202695**

EIF1AY (NM_004681) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EIF1AY (NM_004681) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: EIF1AY
Synonyms: eIF-4C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202695 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCAAGAATAAAGGTAAGGAGGTAAAAACAGGCGCAGGGTAAAAATGAGAATGAATCTGAAAAA
GAGAGTTGGTGTAAAGAGGATGGACAAGAGTATGCTCAGGTAATCAAATGTTGGAAATGGACGATT
GGAAGCATTGTGTTTGTGGTAAAGAGGTTATGCCATATCAGAGGAAATGAGAAAAAGGTTGG
ATAAATACATCAGACATTATTTGGTTGGTCTACGGGACTATCAGGATAACAAAGCTGATGTAATTTAA
AGTACAATGCAGATGAAGCTAGAAGCCTGAAGGCATATGGCGAGCTTCCAGAACATGCTAAAATCAATGA
AACAGACACATTTGGTCCTGGAGATGATGATGAAATCCAGTTTGACGATATTGGAGATGATGATGAAGAC
ATTGATGATATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202695 protein sequence
Red=Cloning site Green=Tags(s)
MPKNKGKGGKNRRRGKNENESEKRELVFKEDGQEYAQVIKMLGNRLEALCFDGVKRLCHIRGKLRKKVW
INTSDIILVGLRDYQDNKADVILKYNADERSLKAYGELPEHAKINETDTFGPGDDDEIQFDDIGDDDED
IDDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6416_f11.zip



[View online »](#)

UniProt ID: [O14602](#)

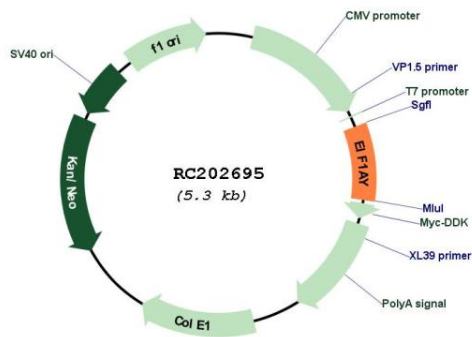
Cytogenetics: Yq11.223

Domains: eIF-1a

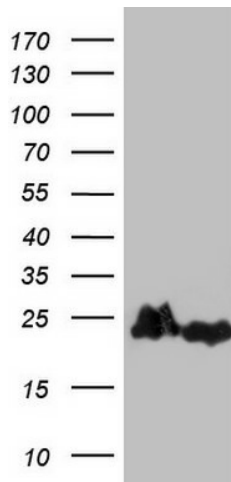
MW: 16.4 kDa

Gene Summary: This gene is located on the non-recombining region of the Y chromosome. It encodes a protein related to eukaryotic translation initiation factor 1A (EIF1A), which may function in stabilizing the binding of the initiator Met-tRNA to 40S ribosomal subunits. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

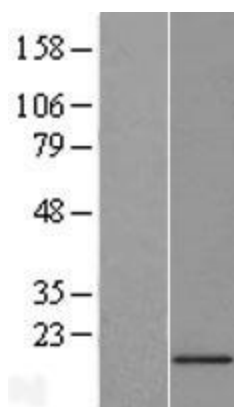
Product images:



Circular map for RC202695



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY EIF1AY (Cat# RC202695, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-EIF1AY (Cat# [TA807511]). Positive lysates [LY417819] (100ug) and [LC417819] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY417819]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202695 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).