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Product datasheet for RC224157

NBAS (NM_015909) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	NBAS
Synonyms:	ILFS2; NAG; SOPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC224157 representing NM_015909
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC224157 representing NM_015909
Red=Cloning site Green=Tags(s)

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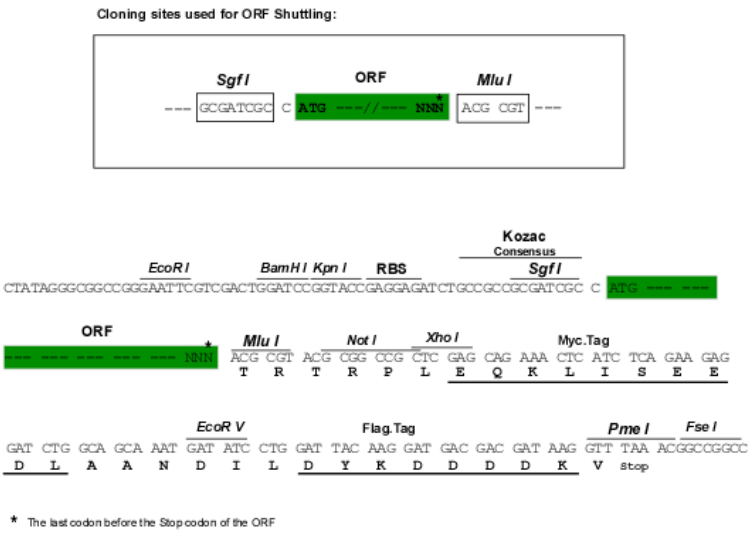
Chromatograms: https://cdn.origene.com/chromatograms/mg2802_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015909

ORF Size: 7113 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.

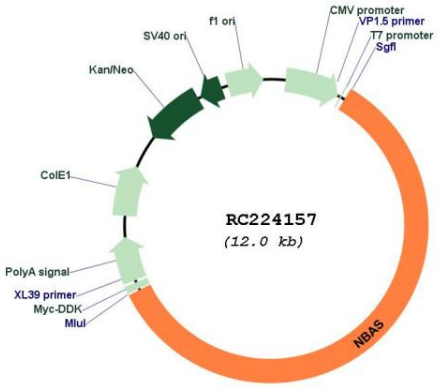
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_015909.4

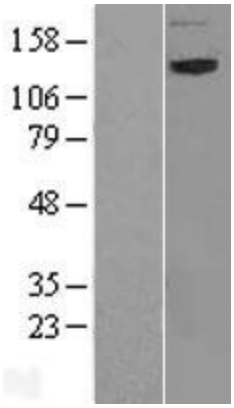
RefSeq Size: 7300 bp

RefSeq ORF:	7116 bp
Locus ID:	51594
UniProt ID:	A2RRP1
Cytogenetics:	2p24.3
MW:	268.6 kDa
Gene Summary:	This gene encodes a protein with two leucine zipper domains, a ribosomal protein S14 signature domain and a Sec39 like domain. The protein is thought to be involved in Golgi-to-ER transport. Mutations in this gene are associated with short stature, optic nerve atrophy, and Pelger-Huet anomaly. [provided by RefSeq, Oct 2012]

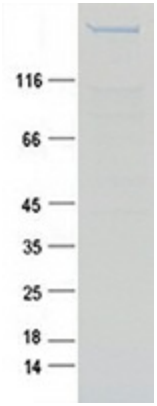
Product images:



Circular map for RC224157



Western blot validation of overexpression lysate (Cat# [LY414312]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224157 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NBAS protein (Cat# [TP324157]). The protein was produced from HEK293T cells transfected with NBAS cDNA clone (Cat# RC224157) using MegaTran 2.0 (Cat# [TT210002]).