

Product datasheet for **RC216869**

NUMBL (NM_004756) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUMBL (NM_004756) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUMBL
Synonyms:	CAG3A; CTG3a; NBL; NUMB-R; NUMBLIKE; NUMBR; TNRC23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC216869 representing NM_004756
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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Protein Sequence:

>RC216869 representing NM_004756
 Red=Cloning site Green=Tags(s)

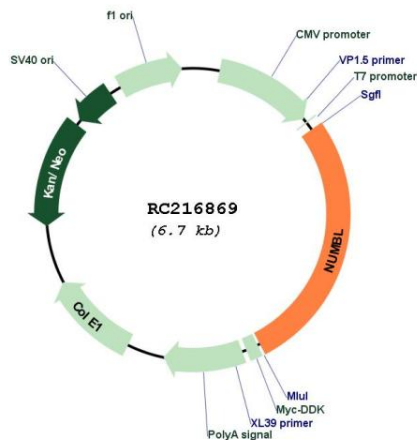
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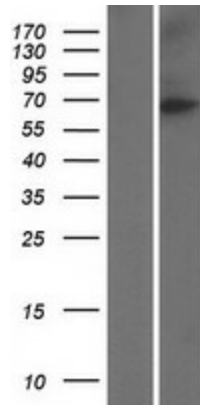
RefSeq ORF: 1830 bp
Locus ID: 9253
UniProt ID: [Q9Y6R0](#)
Cytogenetics: 19q13.2
Domains: PID
Protein Pathways: Notch signaling pathway
MW: 64.9 kDa

Gene Summary: Plays a role in the process of neurogenesis. Required throughout embryonic neurogenesis to maintain neural progenitor cells, also called radial glial cells (RGCs), by allowing their daughter cells to choose progenitor over neuronal cell fate. Not required for the proliferation of neural progenitor cells before the onset of embryonic neurogenesis. Also required postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity. Negative regulator of NF-kappa-B signaling pathway. The inhibition of NF-kappa-B activation is mediated at least in part, by preventing MAP3K7IP2 to interact with polyubiquitin chains of TRAF6 and RIPK1 and by stimulating the 'Lys-48'-linked polyubiquitination and degradation of TRAF6 in cortical neurons.[UniProtKB/Swiss-Prot Function]

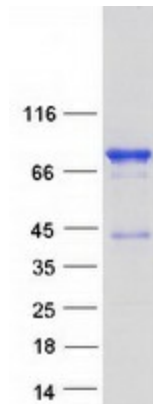
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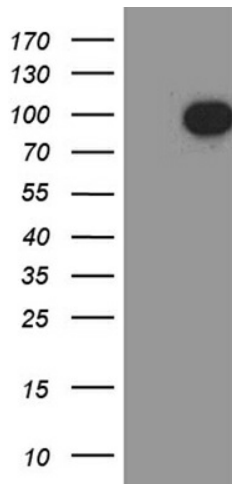
Circular map for RC216869



Western blot validation of overexpression lysate (Cat# [LY417769]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216869 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NUMBL protein (Cat# [TP316869]). The protein was produced from HEK293T cells transfected with NUMBL cDNA clone (Cat# RC216869) using MegaTran 2.0 (Cat# [TT210002]).



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NUMBL (Cat# RC216869, 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-NUMBL antibody (Cat# [TA812202]). Positive lysates [LY417769] (100ug) and [LC417769] (20ug) can be purchased separately from OriGene.