

## Product datasheet for RC20887

### KRTCAP2 (NM\_173852) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KRTCAP2 (NM\_173852) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** KRTCAP2  
**Synonyms:** KCP2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC20887 representing NM\_173852  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGCATAGCTAACCGCACCCGGTTCAGCTCGCCTTTCTTGCCAGAGGCGCCGGTTGGACTCACGGGC  
GGGGCATGATGGTGGGTACGGGCACCTCGCTGGCGCTCTCCTCCCTCTGTCCCTGCTGCTCTTTGC  
TGGGATGCAGATGTACAGCCGTAGCTGGCCTCCACCGAGTGGCTCACCATCCAGGGCGCCCTGCTTGGT  
TCGGGTCTCTTCGTGTTCTCGCTACTGCCTTCAATAATCTGGAGAATCTGTCTTTGGCAAAGGATTCC  
AAGCAAAGATCTCCCTGAGATTCTCCTGTGCCTCCTGTTGGCTCTCTTGCATCTGGCCTCATCCACCG  
AGTCTGTGTACCCACCTGCTTCACTTCTCCATGGTTGGTCTGTACTACATCAACAAGATCTCCTCCACC  
CTGTACCAGGCAGCAGCTCCAGTCTCACACCAGCCAAGGTCACAGGCAAGAGCAAGAAGAGAAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC20887 representing NM\_173852  
 Red=Cloning site Green=Tags(s)

MRIANRTRFSSPFLARGAGWTHGRGMMVVGTSLSLSSLLSLLLFAGMQMYSRQLASTEWLTIQGGLLG  
SGLFVFSLTAFNNLENLVFGKGFQAKIFPEILLCLLLALFASGLIHRVCVTTCFIFSMVGLYYINKISST  
LYQAAAPVLTAKVTGKSKKRN

**TR**TRPLEQK**LI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg4162\\_b05.zip](https://cdn.origene.com/chromatograms/mg4162_b05.zip)



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**Locus ID:** 200185

**UniProt ID:** [Q8N6L1](#)

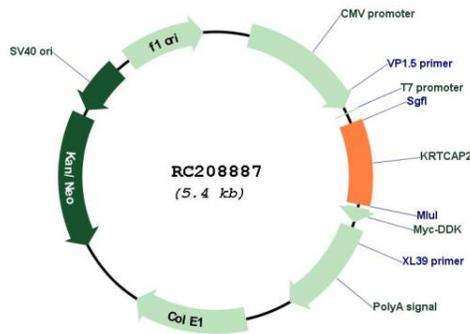
**Cytogenetics:** 1q22

**Protein Families:** Transmembrane

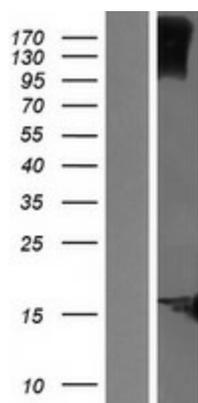
**MW:** 17.4 kDa

**Gene Summary:** Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation. N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity (PubMed:22467853). May be involved in N-glycosylation of APP (amyloid-beta precursor protein). Can modulate gamma-secretase cleavage of APP by enhancing endoproteolysis of PSEN1 (PubMed:21768116). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC208887



Western blot validation of overexpression lysate (Cat# [LY406321]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208887 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).