

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**CGATCGCC**

ATGCGCATAGCTAACCGCACCCGGTTCAGCTCGCCTTTCTTGGCCAGAGGCGCCGGTTGGACTCACGGGC
GGGGCATGATGGTGGTGGGTACGGGCACCTCGCTGGCGCTCTCCTCCCTCTGTCCCTGCTGCTCTTTGC
TGGGATGCAGATGTACAGCCGTAGCTGGCCTCCACCGAGTGGCTCACCATCCAGGGCGCCCTGCTTGGT
TCGGGTCTCTTCGTGTTCTCGCTACTGCCTTCAATAATCTGGAGAATCTGTCTTTGGCAAAGGATTCC
AAGCAAAGATCTCCCTGAGATTCTCCTGTGCCTCCTGTTGGCTCTCTTGCATCTGGCCTCATCCACCG
AGTCTGTGTACCACCTGCTTCACTTCTCCATGGTGGTCTGTACTACATCAACAAGATCTCCTCCACC
CTGTACCAGGCAGCAGCTCCAGTCTCACACCAGCCAAGGTCACAGGCAAGAGCAAGAAGAGAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC20887 representing NM_173852
Red=Cloning site Green=Tags(s)

MRIANRTRFSSPFLARGAGWTHGRGMMVVGTSLSLSSLLSLLLFAGMQMYSRQLASTEWLTIQGGLLG
SGLFVFSLTAFNNLENLVFGKGFQAKIFPEILLCLLLALFASGLIHRVCVTTCFIFSMVGLYYINKISST
LYQAAAPVLTAKVTGKSKKRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4162_b05.zip



UniProt ID: [Q8N6L1](#)

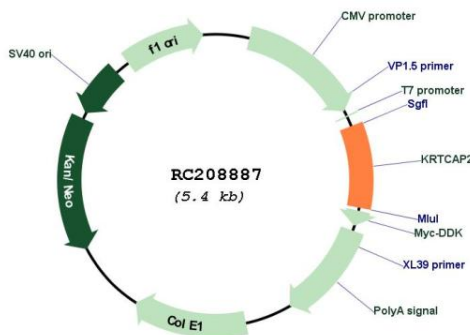
Cytogenetics: 1q22

Protein Families: Transmembrane

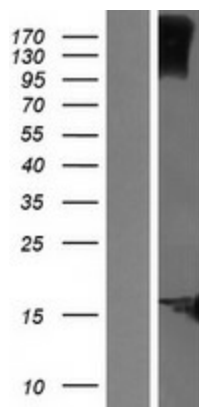
MW: 17.4 kDa

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]).