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| Targeted gene | Designation | Sequence 5’-3’ |
| Used for RT-PCR |
| GAPDH | Hs-GAPDH-qPCR-For2Hs-GAPDH-qPCR-Rev2 | TGCACCACCAACTGCTTAGCGGCATGGACTGTGGTCATGAG |
| HGS | Hs-HGS-qPCR-ForHs-HGS-qPCR-Rev | CTCCTGTTGGAGACAGATTGGGGTGTGGGTTCTTGTCGTTGAC |
| RAB1A | Hs-RAB1A-qPCR-ForHs-RAB1A-qPCR-Rev | AGATTAAAAAGCGAATGGGTCCCGCTTGACTGGAGTGCTCTGAAT |
| RAB7A | Hs-RAB7A-qPCR-ForHs-RAB7A-qPCR-Rev | TACAAAGCCACAATAGGAGCTGGCAGTCTGCACCTCTGTAGAAG |
| RAB11A | Hs-RAB11A-qPCR-ForHs-RAB11A-qPCR-Rev | CAACAAGAAGCATCCAGGTTGAGCACCTACAGCTCCACGATAAT |
| SKIP/PLEKHM2 | Hs-SKIP-qPCR-ForHs-SKIP-qPCR-Rev | TAGAGTTCATTCGTTTCGAGCTGAAGGCGGTCTTCAAAGTCCAG |
| STX5 | Hs-STX5-qPCR-ForHs-STX5-qPCR-Rev | AAAGCGCAAGTCCCTCTTTGATGAGCAATTTGTTTGTTGAGGC |
| STX7 | Hs-STX7-qPCR-ForHs-STX7-qPCR-Rev | GGCCCAGAGGATCTCTTCTAAACTGTTGCCTCAATTCAGGTG |
| VAMP7 | Hs-VAMP7-qPCR-ForHs-VAMP7-qPCR-Rev | GAGGTTCCAGACTACTTACGGTGACACTTGAGAACTCGCTATTCA |
| VAMP8 | Hs-VAMP8-qPCR-ForHs-VAMP8-qPCR-Rev | TGTGCGGAACCTGCAAAGTCTTCTGCGATGTCGTCTTGAA |
| VCP | Hs-VCP-qPCR-ForHs-VCP-qPCR-Rev | CAAACAGAAGAACCGTCCCAATCACCTCGGAACAACTGCAAT |
| VPS11 | Hs-VPS11-qPCR-ForHs-VPS11-qPCR-Rev | CAAGCCTACAAACTACGGGTGGAGTGCAGAGTGGATTGCCA |
| Used for plasmid construction |
| EGFP | Vf-pEGFP-C1Vr-pEGFP-C1 | TCCGGACTCAGATCTCGAGCTCAGGTGGCGACCGGTAGCGC |
| EGFP | Vf-pEGFP-N1Vr-pEGFP-N1 | AGTAAAGCGGCCGCGACTGGTGGCGACCGGTGGATC |
| RAB1A | 1f-Rab1A1r-Rab1A | CTTCGAATTCTGCAGTCGACATGTCCAGCATGAATCCCGAATATCTAGATCCGGTGGATCCTCAGCAGCAACCTCCACCTGAC |
| RAB1B | 1f-Rab1B1r-Rab1B | CTTCGAATTCTGCAGTCGACATGAACCCCGAATATGACTACCTGTTTTCTAGATCCGGTGGATCCTCAGCAACAGCCACCGCCAGC |
| RAB3A | 1f-Rab3A1r-Rab3A | CTTCGAATTCTGCAGTCGACATGGCATCCGCCACAGACTCTCTAGATCCGGTGGATCCTCAGCAGGCGCAGTCCTGGTG |
| RAB8B | 1f-Rab8B1r-Rab8B | CTTCGAATTCTGCAGTCGACATGGCGAAGACGTACGATTCTAGATCCGGTGGATCCTCAGCAAAGTAGCGAGCAACG |
| mRuby2 | 1f-pcDNA3-mRu-C11r-pcDNA3-mRu-C1 | GCGCTACCGGTCGCCACCATGGTGTCTAAGGGCGAAGAGTCGAGATCTGAGTCCGGACTTGTACAGCTCGTCCATC |
| mRuby2 | 1f-pcDNA3-mRu-N11r-pcDNA3-mRu-N1 | GATCCACCGGTCGCCACCATGGTGTCTAAGGGCGAAGAGAGTCGCGGCCGCTTTACTTTACTTGTACAGCTCGTCCATC |
| mRuby2 | Vf-pmRuby2-C1Vr-pmRuby2-C1 | GGATCCACCGGATCTAGATAACGTCGACTGCAGAATTCGAAG |
| mRuby2 | Vf-pmRuby2-N1Vr-pmRuby2-N1 | CCGCGGGCCCGGGATCCACTGCAGAATTCGAAGCTTGAGCTCGAGA |
| STX8 | 1f-STX8-C11r-STX8-C1 | CTTCGAATTCTGCAGTCGACATGGCACCGGACCCCTGGTGTTATCTAGATCCGGTGGATCCGTTGGTCGGCCAGACTGCAA |