

Product datasheet for **RN208661**

Clasp2 (NM_053722) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clasp2 (NM_053722) Rat Untagged Clone
Tag: Tag Free
Symbol: Clasp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208661 representing NM_053722
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGCGTGTATTGCAAACGGATCTGTGATTATAAAAGCTTTGACGATGAGGAATCAGTGGATGGAA
ATAGGCCATCATCAGCTGCTTCAGCCTCAAGGTTCTGCACCTAAAACCTCTGGAAACCCTGTCAACAG
CGCACGGAAGCCCGTTTCAGCAGGTGGCCCTAAGGCTGGAGTACTTCTAAAGAAGGAGGGGCTGGAGCA
GTTGATGAAGATGATTTTATAAAAGCTTTTACAGATGTTCTTCTATTTCAGATCTATTCTAGTCGAGAAC
TTGAAGAAACGTTAAATAAGATCAGGAAATCTGTCTCAGATGACAAACATGACTGGGACCAGCGTGCCAA
CGCACTTAAGAAAATCAGATCACTACTTGTGCTGGGGCTGCACAGTATGACTGCTTCTTCCAGCATTG
CGTTTGTGGACGGCGCACTTAAGCTGTCTGCGAAGGACCTCAGATCCCAGGTGGTCAAGGAAAGCTTGCA
TCACCGTTGCCCATCTTCAACGGTTTTGGAAACAAGTTTGATCATGGCGCTGAAGCCATTGTACCTAC
GCTTTTTAATCTGTCCCAATAGTGCAAAAGTCATGGCAACTTCTGGATGTGCAGCAATCAGATTTATT
ATTCGGCATAACCCAGTACCCCGACTTATACCTTTAATAACAAGCAACTGCACATCAAAGTCAGTTCCTG
TGAGGAGACGTTCAATTTGAATTTTAGATCTGCTGTTGCAAGAGTGGCAGACTCATTTCGCTAGAGAGACA
TGACAGCTGTTTTGGTTGAAACGATTAAGAAGGGAATTCATGATGCTGATGCTGAGGCCAGAGTGGAGGCA
AGAAAGACATACATGGGTCTTAGAAACCACTTTCTGGTGAAGCTGAAACATTGTACAACCTCCCTCGAGC
CATCCTATCAGAAAAGTCTTCAAACATACTTAAAGAGTTCTGGAAGTGTAGCTTCTCTTCCACAGTCAGA
CAGGTCCTCGTCAAGCTCACAAGAAAGCCTCAATCGTCTTTTTTCATCTAAGTGGTCAACAGCAAATCCT
TCAGCTGTAGCTGGAAGAGTGTCCGTGGGAGGCAGCAAAGCCAGCCCCCTCCAGGAAGCCTGCAGCGCT
CTCGAAGTGACATTGACGTGAATGCCGCCGCCGGTGCCAAGGCCGATCATGCTGCTGGACAGGCTGTGCG
AAGTGGCGTTTAGGCCGAGGTGCCCTGAATCCAGGTTCTATGCATCACTAGAGGACACTTCTGACAAG
ATGGATGGAACAGCATCTGAAGATGGTGGGTGAGAGCCAAGCTTCTACACCATTGTTGCTGTGGGAA
ATGCCAAGACCGATTCTAGAGGGAGAAGCCGGACAAAAATGGTGTCTCAGTCCCAGCCTGGCAGCAGATC
TGGGTCTCCGGGAAGAGTTCTAACCACAACAGCCCTCTCTACTGTGAGCTCTGGTCTCAACGAATCCTG
GTCAATTCAGCTTCAGCACAGAAGAGAAGCAAGATACCAAGGAGCCAGGGCTGCAGCAGAGAGGCCAGCC
CATCTAGGCTTTTCAGTGGCCCGGAGCAGCCGATTCTCGGCCGAGTGTGAGTCAAGGCTGTAGCCGGGA
AGCTAGCCGAGAGAGCAGCAGGGACACAAGTCCGGTCCGCTTTTCCAGCCCTTGGTCCAGGATATGGG



ATGAGCCAGTCAAGCCGGTTGTCATCCTCTGTCAGTGCCATGCGGGTCTAAACACAGGCTCCGATGTGG
 AAGAGGCGGTAGCTGATGCCTTGCTCTTAGGAGACATACGGACTAAGAAAAACCTGCTCGAAGACGGTA
 TGAATCATACGGAATGCACTCAGATGACGATGCCAACAGCGATGCTTCTAGTGCGTGTTCAGAACGCTCC
 TATAGCTCTCGAAATGGTAGTATTCCTACCTACATGAGACAGACAGAAGACGTGGCAGAAGTCTCAACA
 GATGTGCTAGTCCAATTGGTCAGAGAGGAAAGAAGGCCCTCTGGGTCTACAGAATTGTTAAAAACCA
 GAGAACACTAAGTCGAGTTGAACTGAAAAGATTGTGAAATTTTCAAGAATGTTGCAGATCCTCAT
 GGCAAGGTGTTCCAGCATGTTTTGGAGACCCTAGTAGATTTTACACAAGTCCACAAGATGATCTTCAAG
 ATTGGTTGTTTGTCTGCTGACACAACCTGAAAAAAATGGGTGCTGACTTGCTTGGGTCTGTTCAAGC
 AAGGTTCAAGAACCCCTTGATGTTACAAGGGAATCTTTTCCAAATGATCTTCAGTTAATATCCTAATG
 AGATTTACAGTTGACCAGACCCAAACGCCAAGCTGAAGGTGAAGGTGGTATCCTTAAGTACATAGAAA
 CTCTGGCAAAGCAGATGGACCCAGGAGATTTTATAAATCCAGTAAAACCTGCCTGGCAGTGTCTCGGGT
 CATCACCTGGACGACAGAGCCAAAAGCTCTGATGTTGAAAGGCAGCACAGTCCGTGCTGATTTCTTTG
 TTTGAACTCAATACCCAGAGTTTACAATGTTACTAGGAGCTTTACAAAACTTTCCAGGATGGTGCTA
 CTAAACTCTTCAACATCACCTCGAAACTGGCAATGGCACTCAGAGTCCATGGGGAGTCTTTGAC
 GAGACCAACACCTCGGTACCAGCCAACGGTCCAGTCTTACTTCTCTACCAACACGTACAGAAT
 ACGTTATCTCAAGTGCATTTGATTACGACACAGAGAATGAATTCTGAAGACATTTACAGCTCCCTTA
 GAGGTGCACTGAGGCAATCCAGAATTTAGCTTCAGAAGCCAGGAAGACATGAGTGAGCCGCTGAAGAG
 GGACCCTAAGAAAGAGGATGGTGACACAGTATGCAAGTGGTCTGGGATGTCAGATCCAAGAGCAGGAGGC
 GATGCCCTGACTCCAGCCAGCCAGCTCTTGATAATAAAGCATCTTTGCTGCACTCAGTGCCACTCCACT
 CCTCTCCGCGCTCCCGTACTATAACCCATATAACTACTCAGACAGCATCAGTCCCTTCAACAAGTCTGC
 CCTCAAGGAAGCCATGTTTGAAGGAGCTATCTAACCATAATGAACGCATAGAAGAAAGGAAAAATGGCCTGT
 CTAGTTGAGAGTTGTTGAAGGAGCTATCTAACCATAATGAACGCATAGAAGAAAGGAAAAATGGCCTGT
 ATGAGCTCATGAAGCTGACCCAGGAAGAATCGTTCAGTGTGGGATGAACACTTCAAAACAATATTATT
 GTTACTGCTTGAGACCCTTGGGGATAAAGAGCCTACAATCCGGGCTTGGCGTTAAAAGTTTTAAAAGAA
 ATCTTAAGGCATCAACCAGCAAGATTCAAAAACATGCAGAGCTAACTGTCATGAAAACATTGGAAGCAC
 AATAAGATCCTCACAAGAGGTGGTGAGGTCTGCTGAGGAAGCTGCCTCCGTGTTGGCTACTTCCATTAG
 TCCAGAGCAGTGCATCAAAGTCTTTGTCCAATCATACAGACTGCTGACTACCAATTAATCTGGCTGCA
 ATCAAAATGCAAAACAAAAGTGATAGAGAGAGTGTCCAAGGAGACCCTTAACCTGCTTACCAGAGATCA
 TGCCAGGTCTAATACAGGGTTATGATAATTCAGAAAGCAGTGTCCGAAAGCTTGTGTCTTCTGCCTGGT
 GGCTGTCCATGCGGTAATTGGTGATGAACTAAAGCCACATCTCAGTCAACTCACGGGTAGTAAAATGAAG
 CTGCTGAACCTTTACATCAAACGTGCACAGACGGGCTCTGCAGGAGCCGACCCCACTACTGATGTTCTG
 GACAGAGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_053722

Insert Size:

3861 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

RefSeq: [NM_053722.2](#), [NP_446174.1](#)

RefSeq Size: 5570 bp

RefSeq ORF: 3861 bp

Locus ID: 114514

UniProt ID: [Q99JD4](#)

Cytogenetics: 8q32

Gene Summary: associated with cytoplasmic linker proteins (CLIPs) that bind to the ends of growing microtubules; may be important for the regulation of microtubule dynamics [RGD, Feb 2006]