

Product datasheet for **SC305708**

CLNK (NM_052964) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLNK (NM_052964) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLNK
Synonyms:	MIST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305708 representing NM_052964. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGAACAGGCAGGGCAATAGAAAGACAATAAGAAGGATCCAACGATTTGAAATTCAGAACTTCAGT
 CTGCCAAAAACAGGTCATGGCCTCGCATCAATAGTGCCACAGGCCAGTACCAGAGGATGAACAAGCCT
 CTTCTAGACTGGGAAAGAACTTTGCTGCAGTCCTGGATGGAGCAAAAGGCCACAGTGATGATGACTAT
 GATGACCTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAATTTTACCAGCCCGCCTATAAAG
 GAATCTGAATATGCAGATACACACTATTTCAAGGTTGCAATGGACACTCCCCTTCCGTTAGACACCAGG
 ACCTCTATCTCCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGGAAAGAGTGACAAACCCATT
 TCCAAGGACGTCAGAAGCCAAACATTAAAGGAGATGCATCCGTAAGAAAGAACAAGATTCTTTACCA
 CCTCCTCGGCCTCTCATAACACTTCCGAAGAAGTACCAACCTTGCCCTTGAGCCGGAGAGCAGCAGG
 CCACCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGAGAATGCCAGTCAGATAAGCTTAAGGGAC
 TTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCTCATAACCAGAGGAAGCCTGAATCAACTCATCTGTTA
 GAAAACCAAAATACTCAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACCACAGT
 GTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCTCAGAGATGCCAGCCTCCAGCCAGC
 TGCAGCCCTCACGAAAATATACTGCCCTATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCT
 GATAGAAAAGGATGTCCAGCACAATGAATGGTACATTGGAGAATACAGCCGCCAGGCAGTGGAAAGAGGCA
 TTCATGAAGGAGAACAAGGATGGTAGTTTCTTGGTCCGAGATTGTTCCACAAAATCCAAGGAAGAGCCC
 TATGTTTTGGCTGTGTTTTATGAGAACAAAGTCTACAATGTAAAAATCCGCTTCTGGAGAGGAATCAG
 CAGTTTGGCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTAGTAGAAGACATCATCGAACAC
 TACAAGAATTTTCCATTATACTAATTGATGGGAAAGATAAACTGGGGTCCACAGGAAACAGTGTAC
 CTCACTCAGCCACTCCCTCTACCAGACACCTCTTGCTCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_052964
Insert Size:	1287 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_052964.2</u>
RefSeq Size:	1710 bp
RefSeq ORF:	1287 bp
Locus ID:	116449
UniProt ID:	<u>Q7Z7G1</u>
Cytogenetics:	4p16.1
MW:	49.6 kDa
Gene Summary:	MIST is a member of the SLP76 family of adaptors (see LCP2, MIM 601603; BLNK, MIM 604515). MIST plays a role in the regulation of immunoreceptor signaling, including PLC-gamma (PLCG1; MIM 172420)-mediated B cell antigen receptor (BCR) signaling and FC-epsilon R1 (see FCER1A, MIM 147140)-mediated mast cell degranulation (Cao et al., 1999 [PubMed 10562326]; Goitsuka et al., 2000, 2001 [PubMed 10744659] [PubMed 11463797]).[supplied by OMIM, Mar 2008]