

## Product datasheet for **RG225164**

### CD99 (NM\_001122898) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD99 (NM\_001122898) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CD99  
**Synonyms:** HBA71; MIC2; MIC2X; MIC2Y; MSK5X  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225164 representing NM\_001122898  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCGCGGGCTGCGCTGGCGCTGCTCTTCGGCCTGCTGGGTGTTCTGGTCGCCGCCCGGATG  
GTGGTTTCGATTATCCGATGCCCTTCTGGGGATGACTTTGACTTAGGAGATGCTGTTGTTGATGGAGA  
AAATGACGACCCACGACCACCGAACCCACCAAACCGATGCCAAATCCAAACCCCAACCACCTAGTTCC  
TCCGGTAGCTTTTCAGATGCTGACCTTGC GGATGGCGTTTCAGGTGGAGAAGGAAAAGGAGGCAGTGATG  
GTGGAGGCAGCCACAGGAAAGAAGGGGAAGAGGCCGACGCCCCAGCGTGATCCCGGGATTGTGGGGC  
TGTCGTGGTCGCCGTGGCTGGAGCCATCTCTAGCTTCATTGCTTACCAGAAAAAGAGCTATGCTTCAA  
GAAATGCAGAACAAAGGGGAGGTGGACATGGAGAGCCACCGGAATGCCAACGCAGAGCCAGCTGTTGAG  
GTA**CTCTTTAGAGAAA**

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG225164 representing NM\_001122898  
Red=Cloning site Green=Tags(s)  
MARGAALALLLFGLLGVLVAAAPDGGFDLSDALPGDDFDLGDVVDGENDDPRPPNPPKMPNPNHPSS  
SGFSADLADGVSGGEGKGGSDGGGSHRKEGEEADAPGVIPGIVGAVVVAVAGAISSFIAYQKKLCKF  
ENAEQGEVDMESHNRNANAEPVQRTLLEK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI





<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001122898.3</a>
<b>RefSeq Size:</b>	1207 bp
<b>RefSeq ORF:</b>	510 bp
<b>Locus ID:</b>	4267
<b>UniProt ID:</b>	<a href="#">P14209</a>
<b>Cytogenetics:</b>	X;Y
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration
<b>Gene Summary:</b>	The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus. [provided by RefSeq, Mar 2016]