



*Division of Signal Transduction Therapy*

**Clone Data Sheet**

**COM1 [1 - 82]**

<b><u>Protein</u></b>	COM1 [1 - 82]
<b><u>Clone number</u></b>	DU 11909
<b><u>Species</u></b>	Human
<b><u>Accession number</u></b>	NM_012385.2
<b><u>Tags</u></b>	N-terminal GST
<b><u>Bacterially expressed protein</u></b>	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELG LEFPNLPPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAESMLEGA VLDIRYGVSR IAYS KDFETLKVDFLSKLP EMLKMFEDRLCHKTYLNGDH VTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKYLKSS KYIAWPLQGWQATFGGGDHPPKSDLEVL FQGPLGSMATFPPATSAPQQP <b>PGPEDESSLD ESDLYSLAHSYLG GGRKGR TKREAAANTNRPS PGGHE</b> <b>RKLVTKLQNSERK KRGARR</b>
<b><u>Native sequence</u></b>	Amino acids M1 – R82 (end) of human COM1. Residue M232 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 – 220.
<b><u>Protease cleavage</u></b>	PreScission (LEVL FQGP) residues 221 - 228
<b><u>Cloning sites</u></b>	<i>Bam</i> H1 and <i>Not</i> 1 sites of pGEX6P-1

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**Nucleotide**

**Sequence of insert**

ggatccATGGCCACCTTCCCACCAGCAACCAGCGCCCCCAGCAGCCCC  
CAGGCCCGGAGGACGAGGACTCCAGCCTGGATGAATCTGACCTCTATAG  
CCTGGCCCATTCCTACCTCGGAGGTGGAGGCCGAAAGGTCGCACCAAG  
AGAGAAGCTGCTGCCAACACCAACCGCCCCAGCCCTGGCGGGCACGAGA  
GGAAACTGGTGACCAAGCTGCAGAATTCAGAGAGGAAGAAGCGAGGGGC  
ACGGCGCtgagcggccgc