

Product datasheet for **SC113213**

ENY2 (NM_020189) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENY2 (NM_020189) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENY2
Synonyms:	DC6; e(y)2; Sus1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113213 sequence for NM_020189 edited (data generated by NextGen Sequencing) ATGGTGGTTAGCAAGATGAACAAAGATGCGCAGATGAGAGCAGCGATTAACCCAAAAGTTG ATAGAAACTGGAGAAAGAGAACGCCTCAAAGAGTTGCTGAGAGCTAAATTAATTGAATGT GGCTGGAAGGATCAGTTGAAGGCACACTGTAAAGAGGTAATTAAGAAAAAGGACTAGAA CACGTTACTGTTGATGACTTGGTGGCTGAAATCACTCCAAAAGGCAGAGCCCTGGTACCT GACAGTGTAAAGAAGGAGCTCTACAAAGAATAAGAACATTCCTTGCTCAGCATGCCAGC CTTTAA Clone variation with respect to NM_020189.5



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020189 unedited GTTCAAATTTATGTATACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGAAGAGT GTGGTAGGTAACGGTCTCGCGCAGGGTCATTTTCGTTCGCTGGGAAGGGACGGCCCTCGCC CGCGGTGATGGTGGTTAGCAAGATGAACAAAGATGCGCAGATGAGAGCAGCGATTAACCA AAAGTTGATAGAACTGGAGAAAGAGAACGCCTCAAAGAGTTGCTGAGAGCTAAATTAAT TGAATGTGGCTGGAAGGATCAGTTGAAGGCACACTGTAAGAGGTAATTAAGAAAAAGG ACTAGAACACGTTACTGTTGATGACTTGGTGGCTGAAATCACTCCAAAAGCAGAGCCCT GGTACCTGACAGTGTAAAGAAGGAGCTCCTACAAAGAATAAGAACATTCCTTGCTCAGCA TGCCAGCCTTTAAGATTGAATTAGATTGTGTTGTTGTTGTTTTATTTCTGAAAGTAAAAC TTGCCATAAATTAGAAAACAATTTCCAAAATAAAATCCTTTTTTGTATGATGGTATACA GTTTTTCAGTAATGATGTATACATTGTATTGATTTTTTTCCCTAAATGTGTATTTTAATA AATATCTCATGAATGAGTTTGAAGTTTGGCTTGGATTTTGAATGAATGGGACTTTGTCTT TATTAATAATCCAAAATTTGTTGAGCGCAAAGCAATTAATGTAGTTTAAGTATTTAG TATGTACAGCTCTCTGTGTTAACAGCTGAGAAGTAAGCAACCTTTCTGACTGCATATGC TGTATTCTCTTTGAGTCCCAATAATTTTATAAATTGTAATGCCCATCTTGTACTA CAGNTGCCTTATTCGNATTGTTTATAAACTTTGAGGGGTAGGACTGGNGTCTTACTCATC TTTATTGGCCTTNCCTTATGCTCAAAGAATTA
Restriction Sites:	NotI-NotI
ACCN:	NM_020189
Insert Size:	1380 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:	<ol style="list-style-type: none"> 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_020189.4</u> , <u>NP_064574.1</u>
RefSeq Size:	586 bp
RefSeq ORF:	306 bp
Locus ID:	56943
UniProt ID:	<u>Q9NPA8</u>
Cytogenetics:	8q23.1

Gene Summary:

Involved in mRNA export coupled transcription activation by association with both the TREX-2 and the SAGA complexes. The transcription regulatory histone acetylation (HAT) complex SAGA is a multiprotein complex that activates transcription by remodeling chromatin and mediating histone acetylation and deubiquitination. Within the SAGA complex, participates in a subcomplex that specifically deubiquitinates both histones H2A and H2B. The SAGA complex is recruited to specific gene promoters by activators such as MYC, where it is required for transcription. Required for nuclear receptor-mediated transactivation (PubMed:18206972, PubMed:21746879). As a component of the TREX-2 complex, involved in the export of mRNAs to the cytoplasm through the nuclear pores (PubMed:23591820). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer protein (isoform 1).