

Product datasheet for **SC103057**

ESCO2 (NM_001017420) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ESCO2 (NM_001017420) Human Untagged Clone
Tag:	Tag Free
Symbol:	ESCO2
Synonyms:	2410004I17Rik; EFO2; EFO2p; hEFO2; JHS; RBS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC103057 sequence for NM_001017420 edited (data generated by NextGen Sequencing)

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ATGGCAGCTCTTACTCCAAGGAAGGAAGCAGGATTCTTTGAAGTGTGACAGCCTTTTA
CACTTCACTGAAAATCTGTTTCCATCACCTAATAAAAAGCACTGTTTTATCAAACAGT
GATAAAAATGAAGAAAACCTGCATTGCTCTCAACAAGAGCATTTTGTTTAAGTGCCTC
AAAACAACCTGAAAATAAAGACTGCCATCAGCAAATCAAGGCTCACCATTTAAATCTGCC
CTCTCCACTGTATCTTTTTACAACCAAAAATAAGTGGTACCTCAATCCACTGGAGAGAAAAG
CTGATAAAAGAGAGTAGATCTACTTGTCTAAAACTAATGATGAAGATAAATCTTTTCCC
ATTGTGACAGAAAAAATGCAAGGAAAACCAAGTCTGCTCCAAGAAGAACAACAAAAACCA
CAGAAGAGTTTAACTGCTAAGTATCAACCAAAGTATAGACACATCAAGCCTGTATCAAGG
AATTCTAGAAATCCAAGCAAAATCGAGTGATCTATAAGCCAATTGTGGAGAAGGAAAAT
AATTGTCATTAGCTGAAAATAATTCCAATGCTCCTCGGGTTCTGAGCCAAAAATAAAA
CCACAAGTTACTCCAGGGTGGAGCAGCATTTTTTGTTAGAAAAAATCTTCTTTAGA
AAATCGTCCCTGAAAAATGAGCCGTCACTGGGACGCACCCAAAAGAGTAAATCAGAAGTC
ATTGAAGATTCTGATGTAGAGACTGTCAGTGAAAAAAAACCTTTTGCACAAGGCAAGTG
CCAAAGTCTTGGTCTAGAAGAGAAAATGAAAATGGACTACTGAGTGCAAGCAGTAAA
AATAAAGAGAAAATTAATAAAGGATTCATCAGATGACAGAGTTTCTCAAAGGAACATAAA
GTTGATAAAAAATGAGGCTTTTTCTTCCAGAGGATTCTTGGTGAGAATAAGACAATTTCT
CCTAAGTCCACTGTCTATCCAATCTTCAAGTGCATCTTCAAGTCAATTTAAAAAGATCTTTA
GGTGAAGAACAGTTTTCTGTGGGATCTGTCAACTTCATGAAACAGACCAATATCCAGAAA
AATACTAATACCAGAGATACAAGTAAAAAACAAGACCAGCTCATCATCGACGCTGGT
CAGAAAACATTTTGGGGCTACTGTGTGCAAGTCTTGTGGTATGATATATACTGCTTCCAAC
CCTGAAGATGAAATGCAGCATGTACAGCATCACCACAGGTTTCTGGAAGGAATCAAAATAT
GTGGGTTGGAAGAAAGAACGTGTAGTAGCAGAGTTTTGGGATGGGAAAATCGTGTGGTT
CTGCCACATGATCCAAGCTTTGCTATCAAAAAGGTAGAAGATGTCCAAGAACTTGTGGAT
AATGAATTGGGCTTCCAGCAAGTTGTTCTAAATGTCCAACAAAATAAAAACTTTTCTT
TTTATATCTGATGAAAAGAGAGTAGTTGGGTGTTAATTGCAGAACCCATCAAACAGGCA
TTTCGTGTCTGTCTGAACCAATGGTCCAGAATCCCAAGCTCTACGGAATGCTCCTAGG
GCTTGGCAATGTTTCAAGTGTACCAGAACCTGCAGTCTGTGGGATAAGTAGAATCTGGGTT
TTCAGACTGAAGAGAAGAAAGCGCATTGCAAGACGACTGGTTGATACCCTCAGGAATTGC
TTCATGTTTGGCTGTTTTCTCAGCACTGATGAAATAGCATTTTCTGACCCAACACCAGAT
GGCAAGTTATTTGCAACCAAGTACTGCAACACCCCTAATTTCTCGTATATAATTTTAAT
AGTTAA
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Clone variation with respect to NM_001017420.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001017420 unedited
 GTTCANAATTTGTATACACTCATATAGGCGGCCGCGAAATTCGCACGAGGCTAGGCTGAG
 GAGAGCTCGCCGGGCTCTGAGGCGCAGGAATTCATAAAGAAATGGCAGCTCTTACTCCA
 AGGAAGAGGAAGCAGGATTCTTTGAAGTGTGACAGCCTTTTACACTTCACTGAAAATCTG
 TTTCCATCACCTAATAAAAAGCACTGTTTTATCAAAACAGTGATAAAAATGAAGAAAAC
 CTGCATTGCTCTCAACAAGAGCATTTTGTTTTAAGTGCCTCAAAACAACGAAAATAAT
 AGACTGCCATCAGCAAAATCAAGGCTCACCATTTAAATCTGCGCTCTCCACTGTATCTTTT
 TACAACCAAAAATAAGTGGTACCTCAATCCACTGGAGAGAAAGCTGATAAAAGAGAGTAGA
 TCTACTTGTCTAAAACTAATGATGAAGATAAATCTTTTCCCATTGTGACAGAAAAAATG
 CAAGGAAAACCAGTCTGCTCCAAGAAGAACAACAAAAACCACAGAAGAGTTAACTGCT
 AAGTATCAACCAAGTATAGACACATCAAGCCTGTATCAAGGAATTCTAGAAATCCAAG
 CAAAATCGAGTGATCTATAAGCCAATTGTGGAGAAGGAAAATAATTGTCATTTCAGCTGAA
 AATAATCCAATGCTCCTCGGGTCTGAGCCAAAAATAAAACCACAAGTTACTCCAG
 GGTGGAGCAGCATTTTTGTTAGAAAAAATCTTCTCTTAGAAAATCGTNCCTGGAAAT
 GAGCCGCTACTGGGACGCACCCANAAGAGTNAATCAGAAGTCATTGAAGATTCTGATGTA
 GAGACTGTCAGTAAAAAAAACCTTTGCGACAAGGCAGTGCCAAAGTGCTTGGTCTTAGA
 AGAGAATTGAAAATTGACTACTGAGTGAAGCAGTAAAAATAAGAGAA

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_001017420 unedited
 GTACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGACGGAGTCTCG
 CTCTGTGCCCCAGGCCGACTGCGGACTGCAGTGGCGCAATCTCGGCTCACTGCAAGCTC
 GCCTCCCGGGTTCAGCCATTCTCATGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCG
 TGAGCCACCGCGCCCGCGGAAGCCTTCTTTTGGCAATCTCTATTTCTGTATTATC
 TGAATTTTATTTAACATATACTATTTTTCATAATAAAATAATTAATAATCAGATTTAGTTGT
 ATAAAAATAAGAATTTTAATTGATTTCATAACAAAAGCATTAAAGCAACAAAATGTTAATT
 AAAAAATTTAAATAAAATATTAAGTAGAATAAGTGCAGAAAAATAGCATTAAATGATTG
 CATAATTACATACATTTTAATACTTCCACATCTTTTGGGGACCCAGGCTTTTAAATTTT
 ATAAACATGTTAACTTACAGGCAAAATAAAATGAATGCAGATGAATAGTTTCTACATATA
 TTACAATCTGGAAAAATACTTGCCTAGAGTCTTATTGCCAGTTAGCAGTTGAATGATTTT
 TCAGAATCAACACATTTTGAACAATGTTTTGCTTTTTTAAAGTATCCAAGAATTACACTAG
 AAAAAATGTGTGAACATTTAAGTGTATTTACACAGATTCTGGTCTCTCATACCCAGCCTA
 TGTATATTTACTAACCTGGGTCTATTCCATACATTTTGAAGACTTTTGCAGGTATT
 CAGNACAAATTAGGGCCTTTTAAACCAGCAAATATATGAATGAAAAATCTTATCCACT
 GGCATTTTGTAAATGACATCACTGCGTAACAGGTACCAAGTGTACTACCATTTTCCCTCCC
 CAAAATACTAATATAGGGCGATCCTAGGTTAATTTATTAATCTGGGACCGGAACTTTT
 TTCAAACATGAACCACTGATTCAATTTGGT

Restriction Sites:

NotI-NotI

ACCN:

NM_001017420

Insert Size:

3200 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_001017420.2](#), [NP_001017420.1](#)

RefSeq Size: 3376 bp

RefSeq ORF: 1806 bp

Locus ID: 157570

UniProt ID: [Q56NI9](#)

Cytogenetics: 8p21.1

Gene Summary: This gene encodes a protein that may have acetyltransferase activity and may be required for the establishment of sister chromatid cohesion during the S phase of mitosis. Mutations in this gene have been associated with Roberts syndrome. [provided by RefSeq, Jul 2008]