

## Product datasheet for **SC215747**

### Xanthine Oxidase (XDH) (NM\_000379) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Xanthine Oxidase (XDH) (NM_000379) Human 3' UTR Clone
Symbol:	Xanthine Oxidase
Synonyms:	XAN1; XO; XOR
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000379
Insert Size:	1667 bp



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**Insert Sequence:** >SC215747 3'UTR clone of NM\_000379  
 The sequence shown below is from the reference sequence of NM\_000379. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACTGCAAACCTGGTCTGTGAGGGTCTAAAGAGAGAGTCTCAGCAGAGTCTTCTGTGCTGCCTTTG
GGCTTCCATGGAGCAGGAGGAACATACCCAGAACATGGATCTATTAAAGTCACAGAATGACAGACCTG
TGATTTGTCAAGATGGGATTTGGAAGACAAGTGAATGCAATGGAAGATTTTGATCAAAAATGTAATTTG
TAAACACAATGATAAGCAAATTCAAAATGTTATGCCTAAATGGTGAATATGCAATTAGGATCATTTTC
TGTCTGTTTTAATCATGTATCTGGAATAGGGTCGGGAAGGGTTTGTGCTATTCGCCACTTACTGGACAG
CCTGTATAACCTCAAGTCTGATGGTGTCTGCCTTTGAAGAGGATCCACAAAACCTCTAGAAGCTTA
AACCGAAGTTACTTTAAATCGTGTGCCTTCTGTGAAAGCCTGGCCTTCAAACCAATGAACAGCAAAGC
ATAACCTTGAATCTATACTCAAATTTTGAATGAGGCAGTGGGGTAAGGTTAAATCCTCTAACCATCTT
TGATCATTGGAAAGAATAAAGAATGAAACAAATTCAGGTTAATTGGATCTGATTTTGTGAAGCTGCA
TAAAGCAAGATTACTCTATAATCAAAAATCCAACCAACTCAATTATTGAGCACGTACAATGTTCTAGA
TTTCTTTCCCTTCTTGAAGAGAATATTTGTATTCCAAATACTCTTTGAGTATTTACAAAAAGAT
TATGTTTAAATCTTTACATTTGAAGCCAAAGTAATTTCCACCTAGAAAATGATGCTATCAGTCTGGCATG
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GAGACCAGCCTGGGCAACATAGAGAGCTCTGTCTTTAAAAAAATTTTTTAAATAGTTGGTCTTGAT
AGTGCATGCCTGTAGTCCCAACTACTTGAAGGCTGAGGTGGAGAGATCATTTGAGCTCAGGAGGTTGA
GGCTGCAGTGAGCTATGATTGCGCCACTGCACCTCTGCCTGAGCGACTGAGCAAGATCTTGTCTGAA
GAAAAAAAAGAAATAAAAATGCTGCTATCAAAAATCAAGCCCAACCAGAGGTAGAAGAGCCAAGAAGCC
TGGGTTCTCATCTAGCTCTGTCTCTTCTGTCTATCTTTGTGATCTTGACTGTCAATTCCTTCC
TGTGATCCATTTTACTGCAAACATAAGGGTTGCAGTAAAGGGTTGTCTCACGTCTTCTGCTTTAAAAGC
CTATAAATATATGACCTGAAAATCCAGTTACATAAAGGATCTGCAGCTATCTAAGGCTTGGTTTTCTT
ACTGTCAATGATACCTGGGTCTAATGAACTCTGCTGAGATCACCTCAAGTTTCTGCGGTTGGTAAAGA
GAACAAGGGAAGAACAACATCCCTTTTATTGCTCCAAATGGTGATTTAATCCCTACATGGTGCTGGGT
GGACAATGTGCTACTGTACATGCCTTCACTGTATAAATCCAACCTTCTGCCAGAGAGAATCTGTGGTT
CTGGCCATGGAGGAGGATAGTGGAATGATATAGTTGGACTGGTCTTGTGATGCTACTAATAAATGAAA
CTGTCAGCTGG
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000379.4](#)

**Summary:** Xanthine dehydrogenase belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Xanthine dehydrogenase can be converted to xanthine oxidase by reversible sulfhydryl oxidation or by irreversible proteolytic modification. Defects in xanthine dehydrogenase cause xanthinuria, may contribute to adult respiratory stress syndrome, and may potentiate influenza infection through an oxygen metabolite-dependent mechanism. [provided by RefSeq, Jan 2014]

**Locus ID:** 7498

**MW:** 63.1