

## Product datasheet for **RN208638**

### **Xdh (NM\_017154) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Xdh (NM_017154) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Xdh
Synonyms:	XOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017154
Insert Size:	3996 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"><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>
RefSeq:	<u><a href="#">NM_017154.1</a></u> , <u><a href="#">NP_058850.1</a></u>
RefSeq Size:	4198 bp
RefSeq ORF:	3996 bp



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Locus ID: 497811

UniProt ID: [P22985](#)

Cytogenetics: 6q13-q14

**Gene Summary:** This gene encodes a member of the xanthine dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The encoded protein is involved in purine degradation and functions as both a dehydrogenase and an oxidase. [provided by RefSeq, Jan 2014]