

Product datasheet for **MC203864**

Exd2 (NM_133798) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exd2 (NM_133798) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Exd2
Synonyms:	4930539P14Rik; C85658; Exdl2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	RsrII-NotI
ACCN:	NM_133798
Insert Size:	1491 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:	BC018508 , AAH18508
RefSeq Size:	2865 bp
RefSeq ORF:	1491 bp



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Locus ID: 97827

UniProt ID: [Q8VEG4](#)

Cytogenetics: 12 C3

Gene Summary: Exonuclease required for double-strand breaks resection and efficient homologous recombination. Plays a key role in controlling the initial steps of chromosomal break repair, it is recruited to chromatin in a damage-dependent manner and functionally interacts with the MRN complex to accelerate resection through its 3'-5' exonuclease activity, which efficiently processes double-stranded DNA substrates containing nicks.[UniProtKB/Swiss-Prot Function]