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# Product datasheet for RC211735L3V

## XRCC3 (NM_001100118) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | XRCC3 (NM_001100118) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | XRCC3 |
| **Synonyms:** | CMM6 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_001100118 |
| **ORF Size:** | 1038 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC211735). |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | NM_001100118.1, NP_001093588.1 |
| **RefSeq Size:** | 2563 bp |
| **RefSeq ORF:** | 1041 bp |
| **Locus ID:** | 7517 |
| **UniProt ID:** | O43542 |
| **Cytogenetics:** | 14q32.33 |
| **Protein Families:** | Druggable Genome |
| **Protein Pathways:** | Homologous recombination |

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**MW:** 37.9 kDa

**Gene Summary:** This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]