

Product datasheet for **MR206229L4V**

Erc8 (NM_028042) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Erc8 (NM_028042) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Erc8
Synonyms:	2410022P04Rik; 2810431L23Rik; 4631412O06Rik; B130065P18Rik; Ckn1; Csa
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028042
ORF Size:	1194 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206229).
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_028042.2 , NP_082318.2
RefSeq Size:	2107 bp
RefSeq ORF:	1194 bp
Locus ID:	71991
UniProt ID:	Q8CFD5
Cytogenetics:	13 D2.1



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Gene Summary:

Involved in transcription-coupled nucleotide excision repair. It is required for the recruitment of XAB2, HMG1 and TCEA1/TFIIIS to a transcription-coupled repair complex which removes RNA polymerase II-blocking lesions from the transcribed strand of active genes. It is the substrate-recognition component of the CSA complex (DCX(ERCC8) complex) which promotes the ubiquitination and subsequent proteasomal degradation of ERCC6 in a UV-dependent manner; ERCC6 degradation is essential for the recovery of RNA synthesis after transcription-coupled repair.[UniProtKB/Swiss-Prot Function]