

## Product datasheet for **MR225753L4V**

### Esrra (NM\_007953) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Esrra (NM_007953) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Esrra
Synonyms:	Err1; ERRalpha; Estrra; Nr3b1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007953
ORF Size:	1269 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225753).
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. <a href="#">More info</a>
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:	<a href="#">NM_007953.2</a> , <a href="#">NP_031979.2</a>
RefSeq Size:	2264 bp
RefSeq ORF:	1269 bp
Locus ID:	26379
UniProt ID:	<a href="#">O08580</a>
Cytogenetics:	19 5.08 cM



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**Gene Summary:**

Binds to an ERR-alpha response element (ERRE) containing a single consensus half-site, 5'-TNAAGGTCA-3'. Can bind to the medium-chain acyl coenzyme A dehydrogenase (MCAD) response element NRRE-1 and may act as an important regulator of MCAD promoter. Binds to the C1 region of the lactoferrin gene promoter. Requires dimerization and the coactivator, PGC-1A, for full activity. The ERRalpha/PGC1alpha complex is a regulator of energy metabolism. Induces the expression of PERM1 in the skeletal muscle (By similarity). [UniProtKB/Swiss-Prot Function]