

Product datasheet for **SR407454**

Egfbp2 Mouse siRNA Oligo Duplex (Locus ID 13647)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	<u>NM_010115</u>
UniProt ID:	<u>P36368</u>
Synonyms:	Egfbp-2; Klk1b26; mGk-13; PRECE-1
Components:	Egfbp2 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 13647) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene belongs to the kallikrein family, which is a highly homologous group of serine proteases encoded by a cluster of related genes on chromosome 7. This gene has been shown to function as both a prorenin converting enzyme and as epidermal growth factor (EGF)-binding protein involved in the maturation of EGF (PMIDs: 1918045, 3322387, 9685728). This gene is thought to be distinct from Klk1b26 gene (GeneID:16618), with which it shares 98% identity (PMID:1959648, 9685728), however, it is not clear if both genes are present in all strains of mice. Blast analyses suggest that this gene is missing from the current reference (GRCm38, based on C57BL/6J genome) and alternate Celera (based on mixed strain genomes) assemblies. Therefore, the RefSeq for this locus was based on sequence from the ICR strain, which has been reported in literature (PMID:1959648) to contain both genes. [provided by RefSeq, Aug 2012]


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**Performance
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled siRNA control (quantitative RT-PCR data required).