

Product datasheet for **SR423728**

Eppk1 Mouse siRNA Oligo Duplex (Locus ID 223650)

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:	NM_144848
Synonyms:	6230424I18Rik; EPIPL; EPIPL1; EPPK
Components:	Eppk1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 223650) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Cytoskeletal linker protein that connects to intermediate filaments and controls their reorganization in response to stress (PubMed:16382146, PubMed:20926261, PubMed:18285451, PubMed:25232867, PubMed:25617501, PubMed:23599337). In response to mechanical stress like wound healing, is associated with the machinery for cellular motility by slowing down keratinocyte migration and proliferation and accelerating keratin bundling in proliferating keratinocytes thus contributing to tissue architecture (PubMed:16382146, PubMed:20926261). However in wound healing in corneal epithelium also positively regulates cell differentiation and proliferation and negatively regulates migration thereby controlling corneal epithelium morphogenesis and integrity (PubMed:23599337). In response to cellular stress, plays a role in keratin filament reorganization, probably by protecting keratin filaments against disruption (PubMed:18285451). During liver and pancreas injuries, plays a protective role by chaperoning disease-induced intermediate filament reorganization (PubMed:25232867, PubMed:25617501).[UniProtKB/Swiss-Prot Function]



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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).