

Product datasheet for **SR423038**

Adgrb1 Mouse siRNA Oligo Duplex (Locus ID 107831)

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_174991 , NM_001359759
UniProt ID:	Q3UHD1
Synonyms:	B830018M07Rik; Bai1; mKIAA4089; R75078
Components:	Adgrb1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 107831) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Phosphatidyserine receptor which enhances the engulfment of apoptotic cells (PubMed:17960134). Also mediates the binding and engulfment of Gram-negative bacteria (PubMed:21245295, PubMed:26838550, PubMed:26838550). Stimulates production of reactive oxygen species by macrophages in response to Gram-negative bacteria, resulting in enhanced microbicidal macrophage activity (By similarity). In the gastric mucosa, required for recognition and engulfment of apoptotic gastric epithelial cells (By similarity). Promotes myoblast fusion (PubMed:23615608). Activates the Rho pathway in a G-protein-dependent manner (By similarity). Inhibits MDM2-mediated ubiquitination and degradation of DLG4/PSD95, promoting DLG4 stability and regulating synaptic plasticity (PubMed:25751059). Required for the formation of dendritic spines by ensuring the correct localization of PARD3 and TIAM1 (By similarity). Potent inhibitor of angiogenesis in brain and may play a significant role as a mediator of the p53/TP53 signal in suppression of glioblastoma (By similarity). [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).