

Product datasheet for **SR303877**

FAK (PTK2) Human siRNA Oligo Duplex (Locus ID 5747)

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_001199649 , NM_001316342 , NM_005607 , NM_153831 , NM_001352694 , NM_001352695 , NM_001352696 , NM_001352697 , NM_001352698 , NM_001352699 , NM_001352700 , NM_001352701 , NM_001352702 , NM_001352703 , NM_001352704 , NM_001352705 , NM_001352706 , NM_001352707 , NM_001352708 , NM_001352709 , NM_001352710 , NM_001352711 , NM_001352712 , NM_001352713 , NM_001352714 , NM_001352715 , NM_001352716 , NM_001352717 , NM_001352718 , NM_001352719 , NM_001352720 , NM_001352721 , NM_001352722 , NM_001352723 , NM_001352724 , NM_001352725 , NM_001352726 , NM_001352727 , NM_001352728 , NM_001352729 , NM_001352730 , NM_001352731 , NM_001352732 , NM_001352733 , NM_001352734 , NM_001352735 , NM_001352736 , NM_001352737 , NM_001352738 , NM_001352739 , NM_001352740 , NM_001352741 , NM_001352742 , NM_001352743 , NM_001352744 , NM_001352745 , NM_001352746 , NM_001352747 , NM_001352748 , NM_001352749 , NM_001352750 , NM_001352751 , NM_001352752 , NR_148036 , NR_148037 , NR_148038 , NR_148039
UniProt ID:	Q05397
Synonyms:	FADK; FADK 1; FAK; FAK1; FRNK; p125FAK; pp125FAK; PPP1R71
Components:	PTK2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 5747) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml



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Summary:

This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2017]

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).