

Recombinant Mouse VSIR Protein

Cat. No. VSIR-607M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse VSIR protein without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	308
Description	Predicted to enable endopeptidase activator activity; enzyme binding activity; and identical protein binding activity. Acts upstream of or within several processes, including negative regulation of CD4-positive, alpha-beta T cell proliferation; negative regulation of T cell cytokine production; and positive regulation of BMP signaling pathway. Located in external side of plasma membrane. Is expressed in several structures, including heart; immune system; lung; male reproductive gland or organ; and small intestine lamina propria. Orthologous to human VSIR (V-set immunoregulatory receptor).
Form	Lyophilized
Molecular Mass	19.7 kDa
AA Sequence	MGVPAVPEASSPRWGTLLLAIFLAASRGLVAAFVTPYSLYVCPEGQNATLTCRIL GPVSKGHDVTIYKTYLSSRGEVQMCKEHRPIRNFRTLQHLQHGHGSHLKANASHDQ PQKHGLELASDHHGNFSITLRNVTPRDSGLYCCLVIELKNHHPEQRFYGSMEQLVQV AGKGSGSTCMASNEQSDSITAAALATGACIVGILCLPLILLVYKQRQVASHHRAQE

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	LVRMDSNTQGIENPGFETTPPFQGMPEAKTRPPLSYVAQRQPSESGRYLLSDPSTP LSPPGPGDVFFPSLDPVPDSPNSEAI
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	Vsir V-set immunoregulatory receptor [Mus musculus (house mouse)]
Official Symbol	VSIR
Synonyms	VSIR; V-set immunoregulatory receptor; B7H5; GI24; B7-H5; Dies1; PD-1H; SISP1; VISTA; PP2135; C10orf54; DD1alpha; V-type immunoglobulin domain-containing suppressor of T-cell activation; Death Domain1alpha; PDCD1 homolog; V-domain Ig

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suppressor of T cell activation; V-set domain-containing immunoregulatory receptor; platelet receptor GI24; sisp-1; stress-induced secreted protein-1

Gene ID 74048

mRNA Refseq NM_028732

Protein Refseq NP_083008

UniProt ID Q9D659

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