

Recombinant Mouse VTCN1 Protein

Catalog #	Source	Reactivity	Applications
CRP3074	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description	Recombinant Mouse VTCN1 Protein is produced by mammalian expression system and the target gene encoding Leu25-Ser256 is expressed with a Fc tag at the C-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Gene Symbol	VTCN1
Alternative Names	B7H4; V-set domain-containing T-cell activation inhibitor 1; B7h.5; Immune costimulatory protein B7-H4; Protein B7S1; T-cell costimulatory molecule B7x
Entrez Gene	242122 (Mouse)
SwissProt	Q7TSP5 (Mouse)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	LIIFGISGK HFITVTTFTS AGNIGEDGTL SCTFEPDIKL NGIVIQWLKE GIKGLVHEFK EGKDDLSQQH EMFRGRTAVF ADQVVVGNAS LRLKNVQLTD AGTYTCYIRS SKGKGNANLE YKTGAFSMPE INVDYNASSE SLRCEAPRWF PQPTVAWASQ VDQGANFSEV SNTSFELNSE NVTMKVVSVL YNVTINNTYS CMIENDIAKA TGDIKVDSE VKRRSQLQLL NSVDDIEGRM DEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSGDSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLG PGK
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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