

Recombinant Full Length Rat Transient Receptor Potential Cation Channel Subfamily V Member 2(Trpv2) Protein, His-Tagged

Cat. No. RFL16525RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Rat Transient receptor potential cation channel subfamily V member 2(Trpv2) Protein (Q9WUD2) (1-761aa), fused to N-terminal His tag, was expressed in E. coli.

Species Rat

Source E.coli

ProteinLength Full Length (1-761)

Form Lyophilized powder

AA Sequence

MTSASSPPAFRLETSDGDEEGNAEVNKGKQEPPPMESPFQREDRNSSPQIKVNLN
 FIKRP PKNTSAPSQQEPDRFDRDLFSVVS RGVPEELTGLLEYLRWNSKYLTDSAY
 TEGSTGKTC LMKAVLNLQDGVNACIMPLLQIDKDSGNPKLLVNAQCTDEFYQGHTSA
 LHIAIEKRSLQCV KLLVENGADVHLRACGRFFQKHQGTCTFYFGELPLSLAACTKQW
 DVVTYLLENPHQPASLE ATDSLGN TVLHALVMIADNSPENSALVIHMYDGLLQMGA
 RLCPTVQLEEISNHQGLTPLK LAAKEGKIEIFRHILQREFSGPYQPLSRKFTEWCYGP
 VRVSLYDLSSVDSWEKNSVLEII AFHCKSPNRHRMVVLEPLNKLLEKWDRLVSRF
 FFNFACYLVYMFIFTVVAYHQPSLDQP AIPSSKATFGESMLLLGHILILLGGIYLLLGQ
 LWYFWRRRLF IWISFMDSYFEILFLLQA LLTVLSQVLRFMETEWYLP LLVLSLVLGWL
 NLLYYTRGFQHTGIYSVMIQKVILRDLLRF LLVYLVFLFGFAVALVSLSREARSPKAPE

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DNNSTVTEQPTVGQEEEPAPYRSILDASLEL FKFTIGMGELAFQEQLRFRGVVLLLL
 LAYVLLTYVLLLNMLIALMSETVNHVADNSWSIW KLQKAISVLEMENGYWWCRRKK
 HREGRLKVGTRGDGTPDERWCFRVEEVNWAWEKTLPL TSEDPSGPGITGNKK
 NPTSKPGKNSASEEDHLPLQVLQSP

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name Trpv2

Synonyms Trpv2; Sac2b; Vrl1; Transient receptor potential cation channel subfamily V member 2; TrpV2; Osm-9-like TRP channel 2; OTRPC2; Stretch-activated channel 2B; Vanilloid receptor-like protein 1; VRL-1

UniProt ID [Q9WUD2](https://www.uniprot.org/entry/Q9WUD2)

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