

B5R Protein, Vaccinia virus (Cell-Free, His)

Cat. No.:	HY-P702222
Synonyms:	B5R
Species:	Virus
Source:	E. coli Cell-free
Accession:	Q80KX4 (M1-P317)
Gene ID:	/
Molecular Weight:	41.1 kDa

PROPERTIES

AA Sequence	<pre> MKTISVVTLL CVLPAVVYST CTVPTMNNAK LTSTETSFND KQKVTFTCDQ GYHSLDPNAV CETDKWKYEN PCKKMCTVSD YVSELYDKPL YEVNSTMTLS CNGETKYFRC EEKNGNTSWN DTVTCPNAEC QPLQLEHGSC QPVKEKYSFG EYITINCDVG YEVI GASYIS CTANSWNVIP SCQQKCDMPS LSNGLISGST FSIGGVIHLS CKSGFILTGS PSSTCIDGKW NPILPTCVRS NKEFDPVDDG PDDETDLSKL SKDVVQYEQE IESLEATYHI IIVALTIMGV IFLISVIVLV CSCDKNNDQY KFHKLLP </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The B5R Protein is a member of the receptors of complement activation (RCA) family, a classification that indicates its involvement in complement activation processes. However, it is noteworthy that B5R lacks conserved residue(s) required for the propagation of feature annotation. This suggests unique structural characteristics or functional properties within the
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RCA family, emphasizing the distinctiveness of B5R in comparison to other family members. The study of B5R contributes to our understanding of its specific functions and interactions within the context of complement activation, shedding light on potential variations in its regulatory mechanisms. Further exploration of B5R's role, especially regarding the absence of conserved residues, holds promise for enhancing our knowledge of its contributions to immune responses and related physiological processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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