Recombinant Human coxsackievirus B1 VP1 Antigen, His tagged

Cat. No. VP1-077H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The polyprotein from coxsackievirus B1 (Tucson) (CVB1) has been prepared as a recombinant antigen fused to a his-tag. It is produced from the immune dominant regions of the capsid protein.
Species	Human coxsackievirus B1
Source	E.coli
Description	VP1 contains serotype specific neutralization sites and hence it is a key genotyping determinant. The structural polyprotein of the virus contains the proteins VP1 to VP4. VP1, VP2 and VP3 are the most immunogenic proteins.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 25-35 kDa, while relative molecular mass calculated from amino acid sequence is 26,665.6 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at

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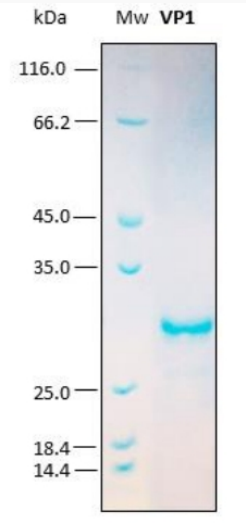
	25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 8, 0.15 M NaCl, 0.1% polyoxyethylene (10) tridecyl ether and 8 M urea
Concentration	1.45 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Ray, C. G., L. L. Minnich, and P. C. Johnson. Selective polymyositis induced by coxsackievirus B1 in mice. 1979, J. Infect. Dis. 140:239-243. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	 SDS-PAGE analysis (15%) of 3 μL of recombinant VP1. Purity is approx. 95% as determined by gel electrophoresis.

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