

Recombinant Human coxsackievirus B1 VP1 Antigen, His tagged

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

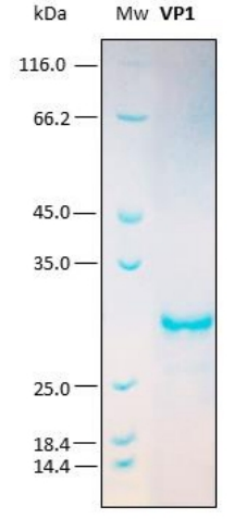
SPECIFICATION

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	<p>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.</p> <p>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.</p>
Purity	 <p>SDS-PAGE analysis (15%) of 3 µL of recombinant VP1. Purity is approx. 95% as determined by gel electrophoresis.</p>