

Recombinant Enterovirus CoxB3 VP1 Protein, GST tagged

Cat. No. VP1-03E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is a recombinant Enterovirus CoxB3 VP1 protein with N-term GST tag was expressed and purified from E. coli with For use in ELISA and LF sandwich immunoassay.
Species	Enterovirus CoxB3
Source	E.coli
Description	Group B coxsackieviruses (CVBs) are etiologic agents of a number of human diseases that range in severity from asymptomatic to lethal infections. They are small, single-stranded positive RNA icosahedral viruses that belong to the enterovirus genus of the picornavirus family. The coxsackievirus B3 strain Nancy (CB3) genome is 7396 nucleotides long, and encodes a 2185 amino acid long polypeptide. With only one open reading frame, CVB genome encodes a large polypeptide, which is cleaved into the mature viral proteins by viral proteinases 2A and 3C. CVB capsid is composed of four structural proteins, VP1, VP2, VP3, and VP4. The VP1 protein, which locates on the surface of the capsid, is the main neutralizing antigen of the virus. It exhibits the same gene organization as other enterovirus genomes.
Form	Liquid, clear. Presented in Tris buffer with additives and salts, pH 8.0, 0.09% Sodium Azide (NaN ₃).
Purity	Greater than 85% purity by SDS-PAGE.
Applications	ELISA and LF sandwich immunoassays. For Research Use Only.

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Storage

Short term storage at 2-8 centigrade. Long term storage at -20 centigrade. Avoid multiple/freeze thaw cycles by storing multiple aliquots at -20 centigrade.

GENE INFORMATION

Official Symbol VP1

Synonyms VP1

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