



Recombinant Norwalk virus Capsid protein VP1 (ORF2)

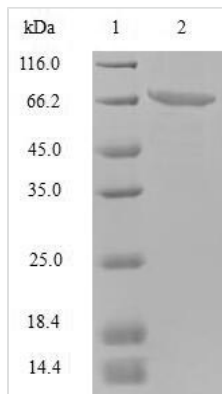
Product Code	CSB-MP767779NBAY
Relevance	Capsid protein self assembles to form an icosahedral capsid with a T=3 symmetry, about 38 nm in diameter, and consisting of 180 capsid proteins. A smaller form of capsid with a diameter of 23 nm might be capsid proteins assembled as icosahedron with T=1 symmetry. The capsid encapsulate the genomic RNA and VP2 proteins. Attaches virion to target cells by binding histo-blood group antigens present on gastroduodenal epithelial cells.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q83884
Alias	p59
Product Type	Recombinant Protein
Immunogen Species	Norwalk virus (strain GI/Human/United States/Norwalk/1968) (Hu/NV/NV/1968/US)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MMMASKDATSSVDGASGAGQLVPEVNASDPLAMDPVAGSSTAVATAGQVNP IDPWIINNFFVQAPQGEFTISPNNTPGDVLFDSLGLPHLNPFLHLSQMYNGWVG NMRVRIMLAGNAFTAGKIIVSCIPPGFGSHNLTIAQATLFPHVIADVRTLDP IEVP LEDVRNVLFHNNDRNQQTMRLLVCMLYTPLRTGGGTGDSFVVAGRVMTCPS P DFNFLFLVPPTVEQKTRPFTLPNLPLSSLSNSRAPLPISSMGISPDNVQSVQFQ NGRCTLDDGRLVGTTTPVSLSHVAKIRGTSNGTVINLTELDGTGTPFHPFEGP APIGF PDLGGCDWHINMTQFGHSSQTQYDVDTTPTDFVPHLGSIQANGIGSGNYVGV LSWISPPSHPSGSQVDLWKIPNYGSSITEATHLAPSVYPPGFGEVLVFFMSKM PGPGAYNLPCLLPQEYISHLASEQAPTVEAALLHYVDPDTGRNLGEFKAYPD GFLTCVPNGASSGPQQLPINGVFVFSWVSRFYQLKPVGTASSARGRLGLRR
Lead Time	3-7 business days
Research Area	Others
Source	Mammalian cell
Gene Names	ORF2
Protein Names	p59
Expression Region	1-530aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal Flag-Myc-tagged



Mol. Weight 59.6 kDa

Protein Description Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.