

Recombinant Norwalk Virus ORF2 Protein (1-530 aa), His-tagged

Cat. No. ORF2-1684N **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Norwalk Virus (strain GI/Human/United States/Norwalk/1968) (Hu/NV/NV/1968/US) ORF2 Protein (1-530 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Norwalk Virus
Source	Yeast
ProteinLength	1-530 aa
Description	Capsid protein self assbles 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 assbled 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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	58.6 kDa
AA Sequence	MMMASKDATSSVDGASGAGQLVPEVNASDPLAMDPVAGSSTAVATAGQVNPIDPW IINNFBVQAPQGEFTISPNNTPGDLVFDLSLGPLNPNPFLHLSQMYNGWVGNMRVRIM

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LAGNAFTAGKIIVSCIPPGFGSHNLTIAQATLFPHVIAADVRTLDPPIEVPLEDVNRNVLFHN
 NDRNQQTMRMLVCMPLYTPLRTGGGTGDSFVVAGRVMTCPSPDFNFLFLVPPTVEQK
 TRPFTLPNLPLSSLSNSRAPLPISSMGISPDNVQSVQFQNGRCTLDGRLVGTTVPVSL
 SHVAKIRGTSNGTVINLTELDGTPFHPFEGPAPIGFDPDLGGCDWHINMTQFGHSSQT
 QYDVDTTPTDFVPHLGSIQANGIGSGNYVGVLSWISPPSHPSGSQVDLWKIPNYGS
 SITEATHLAPSVYPPGFGEVLVFFMSKMPGPGAYNLPCLLPQEYISHLASEQAPTVG
 EAALLHYVDPDTGRNLGEFKAYPDGFLTCVPNGASSGPQQLPINGVFVFSWVSRF
 YQLKPVGTASSARGRLGLRR

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

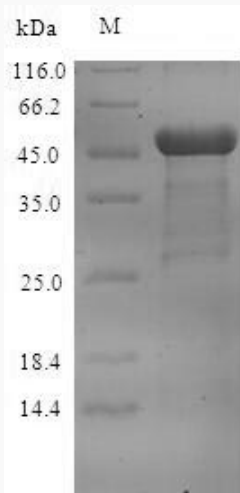
Synonyms ORF2; p59;

UniProt ID [Q83884](#)

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

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