Recombinant O'nyong-nyong virus E2 protein, His-tagged

Cat. No. E2-01O **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant O'nyong-nyong virus E2 protein (a.a. 338-691) with C-terminal 6xHis tag was expressed in E.coli.
Species	O'nyong-nyong virus
Source	E.coli
ProteinLength	338-691 a.a.
Description	Spike glycoprotein E2: Plays a role in viral attachment to target host cell, by binding to the cell receptor. Synthesized as a p62 precursor which is processed by furin at the cell membrane just before virion budding, giving rise to E2-E1 heterodimer. The p62-E1 heterodimer is stable, whereas E2-E1 is unstable and dissociate at low pH. p62 is processed at the last step, presumably to avoid E1 fusion activation before its final export to cell surface. E2 C-terminus contains a transitory transmembrane that would be disrupted by palmitoylation, resulting in reorientation of the C-terminal tail from lumenal to cytoplasmic side. This step is critical since E2 C-terminus is involved in budding by interacting with capsid proteins. This release of E2 C-terminus in cytoplasm occurs lately in protein export, and precludes premature assembly of particles at the endoplasmic reticulum membrane.
Purity	>95% , based on SDS PAGE
Applications	WB standard, antibody ELISA, immunogen, etc.

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Notes	For research use only, not for use in diagnostic procedures.
Stability	Stable for 6 months at -20 centigrade from the date of shipment. Nonhazardous.
Storage Buffer	Each vial contains 100 μg of protein in PBS with 8M Urea.

GENE INFORMATION

UniProt ID	O90369

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