

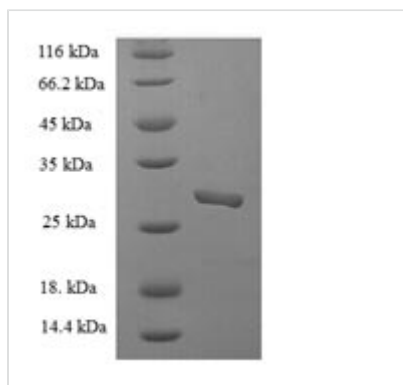


Recombinant Rotavirus A Non-structural glycoprotein 4, partial

Product Code	CSB-EP465285ROJ
Relevance	Involved in virus morphogenesis. Functions as a receptor for the immature double-layered inner capsid particle (ICP) which transiently buds into the lumen of the rough endoplasmic reticulum during viral maturation .Enterotoxin that causes a phospholipase C-dependent elevation of the intracellular calcium concentration in host intestinal mucosa cells. Increased concentration of intracellular calcium disrupts the cytoskeleton and the tight junctions, raising the paracellular permeability. Potentiates chloride ion secretion through a calcium ion-dependent signaling pathway, inducing age-dependent diarrhea. To perform this enterotoxigenic role in vivo, NSP4 is probably released from infected enterocytes in a soluble form capable of diffusing within the intestinal lumen and interacting with the plasma mbrane receptors on neighboring epithelial cells. Possible receptors for NSP4 are alpha-1/beta-1 and alpha-2/beta-1 integrin heterodimers .
Abbreviation	Recombinant Rotavirus A Non-structural glycoprotein 4 protein, partial
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.	A2T3Q0
Product Type	Recombinant Proteins
Immunogen Species	Rotavirus A (isolate RVA/Monkey/South Africa/SA11-H96/1958/G3P5B[2]) (RV-A) (Simian Agent 11 (isolate SI/South Africa/H96/58))
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	PTMKIALKTSKCSYKVVKYCIVTIFNTLLKLAGYKEQITTKDEIEKQMDRVVKEM RRQLEMIDKLTTREIEQVELLKRIYDKLTVQTTGEIDMTKEINQKNVRTLEEWES GKNPYEPREVTAAAM
Research Area	Others
Source	E.coli
Target Names	N/A
Expression Region	52-175aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	30.6kDa
Protein Length	Partial



Image



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

Shelf Life

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