

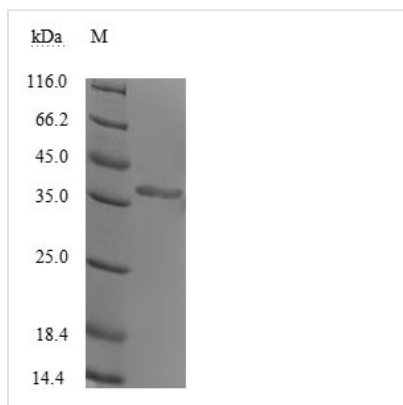


Recombinant Human rhinovirus A serotype 89 Genome polyprotein, partial

Product Code	CSB-EP362073HQDb0
Relevance	Capsid protein VP1: Forms an icosahedral capsid of pseudo T=3 symmetry with capsid proteins VP2 and VP3. The capsid is 300 Angstroms in diameter, composed of 60 copies of each capsid protein and enclosing the viral positive strand RNA genome. Capsid protein VP1 mainly forms the vertices of the capsid. Capsid protein VP1 interacts with host cell receptor to provide virion attachment to target host cells. This attachment induces virion internalization. Tyrosine kinases are probably involved in the entry process. After binding to its receptor, the capsid undergoes conformational changes. Capsid protein VP1 N-terminus (that contains an amphipathic alpha-helix) and capsid protein VP4 are externalized. Together, they shape a pore in the host membrane through which viral genome is translocated to host cell cytoplasm. After genome has been released, the channel shrinks
Abbreviation	Recombinant Human rhinovirus A serotype 89 Genome polyprotein, 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.	P07210
Product Type	Recombinant Protein
Immunogen Species	Human rhinovirus A serotype 89 (strain 41467-Gallo) (HRV-89)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	NPVENYIDSVLNEVLVVPNIQPSTSVSSHAAPALDAAETGHTSSVQPEDMIETR YVITDQTRDETSIESFLGRSGCIAMIEFNTSSDKTEHDKIGKGFKTWKVSLQEM AQIRRKYEFLTYTRFDSEITIVTAAAQGNDSGHIVLQFMYPVPPGAPVPEKRDD YTWQSGTNASVFWQEGQPYPRTIPFMSIASAYYMFYDGYDGDSAASKYGSV VTNDMGTCVRIVTSNQKHDSNIVCRIYHKAKHIKAWCPRPPRAVAYQHTHSTN YIPSNGEATTQIKTRPDVFTVTNV
Research Area	others
Source	E.coli
Expression Region	575-866aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	38.1 kDa
Protein Length	Partial



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.

Shelf Life

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.