

Human CellExp™ SARS-CoV-2 Spike RBD (E484K)

01/21

CATALOG NO:	P1649-50 50 µg
ALTERNATE NAMES:	COVID-19 Spike RBD protein (E484K); 2019-nCoV Spike RBD protein (E484K); SARS-CoV-2 Mutant (E484K); SARS-CoV-2 (E484K) mutant protein
MOL. WT.	35 kDa
ACCESSION NO:	YP_009724390.1
PURITY:	≥ 90% by SDS-PAGE
SOURCE:	Hek293
TAG:	His Tag
AMINO ACID SEQUENCE:	The target protein SARS-CoV-2 S Protein RBD (E484K) is expressed with His tag at the C-terminus.
FORM:	Lyophilized protein
FORMULATION:	Lyophilized from PBS, pH 7.5
RECONSTITUTION:	Reconstitute in sterile water to a concentration of 1 mg/ml.
STORAGE CONDITIONS:	Store at -20 °C or -80 °C. After reconstitution, divide into small aliquots and store at -20 °C or -80 °C. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	SARS-CoV-2 Spike protein is a large type I transmembrane protein composed of S1 subunit and S2 subunit. During viral infection, the receptor-binding domain (RBD) of the S1 subunit is responsible for the recognition and binding of host receptor ACE2, while the S2 subunit mediates viral cell membrane fusion. The SARS-CoV-2-S1-RBD/ACE2 interaction mediates viral entry into the target cells. The E484K mutant mildly increase receptor binding.
RELATED PRODUCTS:	Recombinant COVID-19 3C-like Proteinase (Cat. No. P1606) Human CellExp™ SARS-CoV-2 Spike RBD (N501Y), Recombinant (Cat. No. P1644) Human CellExp™ SARS-CoV-2 Spike RBD (K417N, E484K, N501Y) (Cat. No. P1645) Human CellExp™ Coronavirus Spike Protein (SARS-CoV-2; S1), Recombinant (P1524) Human CellExp™ SARS-CoV-2 Spike Protein (RBD), Recombinant (P1530)

FOR RESEARCH USE ONLY! Not to be used on humans.