

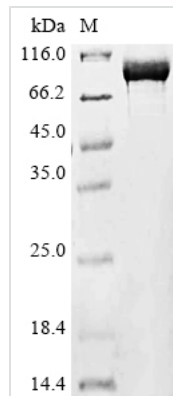


# Recombinant Middle East respiratory syndrome-related coronavirus Orf1ab, partial

<b>Product Code</b>	CSB-EP2883GJE
<b>Abbreviation</b>	Recombinant Middle East respiratory syndrome-related coronavirus Orf1ab protein, partial
<b>Storage</b>	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.
<b>Uniprot No.</b>	A0A0G3U5R1
<b>Storage Buffer</b>	Tris-based buffer, 50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Middle East respiratory syndrome-related coronavirus (MERS-CoV)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	SKDSNFLNRVRGSIVNARIEPCSSGLSTDVVFRAFDICNYKAKVAGIGKYYKTN TCRFVELDDQGHHLDSYFVVKRHTMENYELEKHCYDLLRDCDAVAPHDFFIFD VDKVKTPHIVRQRLTEYTMMDLVYALRHFDQNSEVLKAILVKYGCCDVITYFEN KLWFDFVENPSVIGVYHKLGERVRQAILNTVKFCDHMKAGLVGVLTLDNQDL NGKWYDFGDFVITQPGSGVAIVDSYYSYLMPVLSMTDCLAAETHRDCDFNKP LIEWPLTEYDFTDYKVQLFEKYFKYWDQTYHANCVNCTDDRCVLHCANFNVLV AMTMPKTCFGPIVRKIFVDGVPFVSCGYHYKELGLVMNMDVSLHRHRLSLKE LMMYAADPAMHIASSNAFLDLRTSCFSVAALTTGLTFQTVRPGNFNQDFYDFV VSKGFFKEGSSVTLKHFFFAQDGNAAITDYNYYSYNLPTMCDIKQMLFCMEVV NKYFEIYDGGCLNASEVVNNLDKSAGHPFNKFGKARVYYESMSYQEDEL AMTKRNVIPMTQMNLYAISAKNRARTVAGVSILSTMTNRQYHQKMLKSMAA TRGATCVIGTTKFYGGWDFMLKTLYKDVDNPHLMGWDYPKCDRAMPNMCRI FASLILARKHGTCCTTRDRFYRLANCAQVLSEYVLCGGGGYYVKPGGTSSGD ATTAYANSVFNILQATTANVSALMGANGNKIVDKEVKDMQFDLYVNVYRSTSP DPKFVDKYYAFLNKHFSMMILSDDGVVCYNSDYAAKGYYAGIQNFKETLYYQN NVFMSEAKCWVETDLKKGPFHFCQSHTLYIKDGGDGYFLPYDPSPRILSAGCF VDDIVKTDGTLMVERFVSLAIDAYPLTKHEDIEYQNVFWVYLQYIEKLYKDLTGH MLDSYSVMLCGDNSAKFWEEAFYRDLYSSPTTLQ
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Expression Region</b>	4378-5310aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	106.9 kDa


**Protein Length**

Partial

**Image**


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

**Description**

The cDNA fragment encoding 4378-5310AA of Middle East Respiratory Syndrome related-Coronavirus (MERS-CoV) Orf1ab was expressed in E.coli. The product is the recombinant MERS-CoV Orf1ab. Its purity was determined by using SDS-PAGE and reached up to 90%. Its calculated molecular weight is about 106.9 kDa. This recombinant MERS-CoV Orf1ab may be used for specific antibody synthesis or in the studies of microbiology.

MERS-CoV Orf1ab is cleaved into 15/16 different non-structural proteins, which form the replicase complex. The replicase complex is essential for polyprotein processing and efficient virus replication.

**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.