



Recombinant Human immunodeficiency virus type 1 group M subtype B Envelope glycoprotein gp160 (env), partial

Product Code	CSB-EP361302HKP
Relevance	Envelope glycoprotein gp160: Oligomerizes in the host endoplasmic reticulum into predominantly trimers. In a second time, gp160 transits in the host Golgi, where glycosylation is completed. The precursor is then proteolytically cleaved in the trans-Golgi and thereby activated by cellular furin or furin-like proteases to produce gp120 and gp41.
Abbreviation	Recombinant Human immunodeficiency virus type 1 group M subtype B env 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.	P04578
Alias	Env polyprotein
Product Type	Recombinant Protein
Immunogen Species	Human immunodeficiency virus type 1 group M subtype B (isolate HXB2) (HIV-1)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	KLWVTVYYGVPVWKEATTTLFCASDAKAYDTEVHNVWATHACVPTDPNPQEV VLNVVTENFNMWKNMVEQMHEDIISLWDQSLKPCVKLTPLCVSLKCTDLKN DTNTNSSSSGRMIMEKGEIKNCSFNISTSIRGKVQKEYAFFYKLDIIPIDNDTTSYK LTSCNTSVITQACPKVSFEPIPIHYCAPAGFAILKCNNKTFNGTGPCNTVSTVQC THGIRPVVSTQLLLNGSLAEEEEVIRSVNFTDNAKTIIVQLNTSVEINCTRPNNN TRKRIRIQRGPGRAFVTIGKIGNMRQAHCNISRAKWNTLTKQIASKLREQFGNN KTIIFKQSSGGDPEIVTHSFNCGGEFFYCNSTQLFNSTWFNSTWSTEGSNNTE GSDTITLPCRIKQIINMWQKVGKAMYAPPISGQIRCSSNITGLLLTRDGGNSNNE SEIFRPGGGDMRDNWRSELYKYKVVKIEPLGVAPTKAKRRRVQREKR
Research Area	Others
Source	E.coli
Target Names	env
Protein Names	Env polyprotein
Expression Region	33-511aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

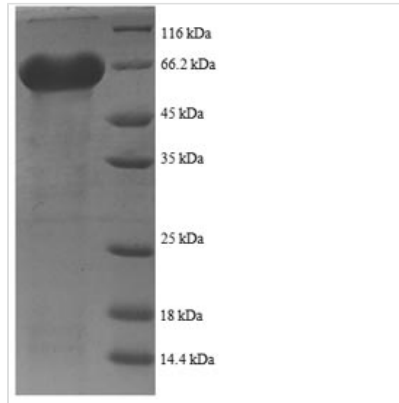


Tag Info N-terminal 6xHis-SUMO-tagged

Mol. Weight 69.7 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.