

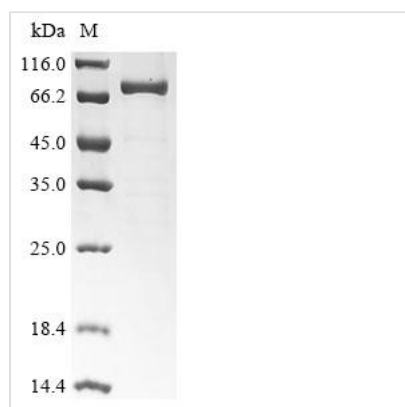


Recombinant Human High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A (PDE9A)

Product Code	CSB-EP527985HU
Abbreviation	Recombinant Human PDE9A protein
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.	O76083
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Human High affinity cGMP-specific 3'5'-cyclic phosphodiesterase 9A(PDE9A)
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MSGSSSYRPKAIYLDIDGRIQKVIFSKYCNSSDIMDLFCIATGLPRNTTISLLTT DDAMVSIDPTMPANSERTPYKVRPVAIKQLSAGVEDKRTTSRGQSAERPLRD RRVVGLEQPRREGAFESGQVEPRPREPQGCYQEGQRIPPEREELIQSVLAQV AEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVVEIEKCKSDIKKMREELAA RSSRTNCPCKYSFLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWE PNEMLSCLEHMYHDLGLVRDFSINPVTLRRLFCVHDNYRNNPFHNRHCFC VAQMMYSMVWLCSLQEKFSQTDILILMTAAICHDLDPGYNNNTYQINARTELA VRYNDISPLENHHCAVAFQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMAR HAEIMDSFKEKMFNFDYSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWVDCLL EEYFMQSDREKSEGLPVAPFMDRDVKTKATAQIGFIKFVLIPMFETVTKLFPMV EEIMLQPLWESRDYEEELKRIDDAMKELQKKTDSLTSGATEKSRERSRDVKNS EGDCA
Research Area	Others
Source	E.coli
Target Names	PDE9A
Expression Region	1-593aa
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 and C-terminal Myc-tagged
Mol. Weight	76.0 kDa
Protein Length	Full Length



Image



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

Description

The recombinant Human PDE9A protein production is accomplished by manipulating the expression of the desired gene in e.coli cells. The sequence (1-593aa) of foreign DNA is incorporated into an expression vector and subsequently introduced into e.coli cells. Positive cells are selected and cultured to induce the expression of the desired protein. The protein carries a N-terminal 10xHis tag and C-terminal Myc tag. The resulting recombinant Human PDE9A protein undergoes affinity purification, with a purity surpassing 85%, as measured by SDS-PAGE.

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.