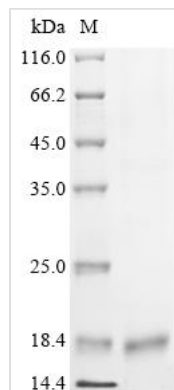




Recombinant Human DNA-directed RNA polymerase III subunit RPC10 (POLR3K)

Product Code	CSB-BP018352HU
Abbreviation	Recombinant Human POLR3K 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.	Q9Y2Y1
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 DNA-directed RNA polymerase III subunit RPC10(POLR3K)
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MLLFPCPGCGNGLIVEEGQRCHRFACNTCPYVHNITRKVTNRKYPKLKEVDDVL GGAAAWENVDDSTAESCPKCEHPRAYFMQLQTRSADEPMTTFYKCCNAQCGH RWRD
Research Area	Immunology
Source	Baculovirus
Target Names	POLR3K
Expression Region	1-108aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-tagged
Mol. Weight	15.1 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 POLR3K protein is produced by manipulating the expression of specific genes in baculovirus cells. A DNA sequence encoding the Human POLR3K protein (1-108aa) is fused to an expression vector and subsequently transformed into baculovirus cells. The cells that successfully integrate the vector are selected and cultured to induce the expression of the desired protein. A C-terminal 6xHis tag is attached to the protein. The recombinant Human POLR3K protein is then purified using affinity purification, achieving a purity level of over 90%, as confirmed by SDS-PAGE analysis.

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.