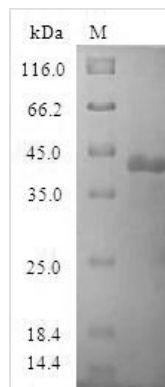




Recombinant Human Ribonuclease P protein subunit p20 (POP7)

Product Code	CSB-EP018375HU
Relevance	Component of ribonuclease P, a protein complex that generates mature tRNA molecules by cleaving their 5'-ends. Also a component of RNase MRP complex, which cleaves pre-rRNA sequences.
Abbreviation	Recombinant Human POP7 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.	O75817
Alias	Ribonucleases P/MRP protein subunit POP7 homolog
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAENREPRGAVEAELDPVEYTLRKRLPSRLPRRPNDIYVNMKTDFKAQLARC QKLLDGGARGQNACSEIYIHGLGLAINRAINIALQLQAGSFGSLQVAANTSTVEL VDELEPETDTREPLTRIRNNSAIHIRVFRVTPK
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	POP7
Protein Names	Recommended name: Ribonuclease P protein subunit p20 Short name= RNaseP protein p20 EC= 3.1.26.5 Alternative name(s): Ribonucleases P/MRP protein subunit POP7 homolog Short name= hPOP7
Expression Region	1-140aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	42.7kDa
Protein Length	Full Length
Image	



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

Description

Explore the fascinating field of epigenetics and nuclear signaling with our Recombinant Human POP7 protein. As a ribonuclease P protein subunit p20 (RNaseP protein p20), POP7 is an essential component of the ribonuclease P complex, which plays a critical role in the processing of precursor tRNAs and other RNA molecules. Its involvement in RNA processing and maturation makes POP7 a key protein to study in the context of epigenetics and nuclear signaling research.

Our Recombinant Human POP7 protein is expressed in E.coli, yielding a full-length protein (1-140aa) that retains native structure and function. The N-terminal GST-tagged design allows for efficient purification and easy detection of the protein. With a purity greater than 85% as determined by SDS-PAGE, our Recombinant Human POP7 protein ensures reliable and consistent results for your research endeavors. Available in both liquid and lyophilized powder forms, our Recombinant Human POP7 protein is a valuable tool for advancing your studies in epigenetics and nuclear signaling.

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

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