

PAX5 Protein, Human, Recombinant (His & Myc)

General Information

Synonyms: Paired box protein Pax-5;PAX5;B-cell-specific transcription factor (BSAP)

Protein Construction: 1-391 aa

Species: Human

Expression Host: E. coli

Accession: Q02548

Molecular Weight: 47.2 kDa (predicted)

AA Sequence:

```
MDLEKNYPTPRTSRTGHGGVNLGGVFNVRPLPDVVRQRIVELAHQGVPCDISRQLRVSHGCVSKILGRY
YETGSIKPGVIGGSKPKVATPKVVEKIAEYKRQNPTMFAWEIRDLLAERVCDNDTVPSVSSINRIIRTKVQPP
NQPVPASSHSIVSTGSVTQVSSVSTDSAGSSYSISGILGITSPSADTNKRKRDEGIQESVPPNGHSLPGRDFLRK
QMRGDLFTQQQLEVLDRVFERQHYSDFITTEPIKPEQTTEYSAMASLAGGLDDMKANLASPTPADIGSSVPG
PQSYPIVTGRDLASTTLPGYPPHVPPAGQGSYSAPTLTGMVPGSEFSGSPYSHPOYSSYNDSWRFNPGLLG
SPYYSAAARGAAPPAAATAYDRH
```

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Transcription factor that plays an essential role in commitment of lymphoid progenitors to the B-lymphocyte lineage. Fulfills a dual role by repressing B-lineage inappropriate genes and simultaneously activating B-lineage-

specific genes. In turn, regulates cell adhesion and migration, induces V(H)-to-D(H)J(H) recombination, facilitates pre-B-cell receptor signaling and promotes development to the mature B-cell stage. Repression of the cohesin-release factor WAPL causes global changes of the chromosomal architecture in pro-B cells to facilitate the generation of a diverse antibody repertoire.; (Microbial infection) Plays an essential role in the maintenance of Epstein-Barr virus genome copy number within the host cell by promoting EBNA1/oriP-dependent binding and transcription. Participates also in the inhibition of lytic EBV reactivation by modulating viral BZLF1 activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481