

Recombinant Human PAX7 Protein Product Manual

1. Product Basic Information

Product No.: REP07737

Protein Name: PAX7

Aliases: HUP1; RMS2; PAX7B; CMYO19; CMYP19; MYOSCO

UniProt ID: P23759

UniProt Link: <https://www.uniprot.org/uniprotkb/P23759/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-520aa)

Molecular Weight: 62.9 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-520aa)

MAALPGTVPRMMRPAPGQNYPRRTGFPLEVSTPLGQGRVNQLGGVFINGRPLPNHI
RHKIVEMAHHGIRPCVISRQLRVSHGCVSKILCRYQETGSIRPGAIGGSKPRQVATP
DVEKKIEEYKRENPGMFSWEIRDRLKDGHCNDRSTVPSGLVSSISRVLRIKFGKKEE
EDEADKKEDDGEKKAKHSIDGILGDKGNRLDEGSDVESEPDLPKRKQRRSRTTFT
AEQLEELEKAFERTHYDPIYTREELAQRKLTARVQVWFSNRRARWRKQAGANQ
LAAFNHLLPGGFPTGMPTLPPYQLPDSTYPTTTISQDGGSTVHRPQLPPSTMHQ
GGLAAAAAADTSSAYGARHSFSSYSDFMNPAAPSNHMNPVSNGLSPQVMSILG
NPSAVPPQPQADFSISPLHGGLDSATSISASCSQRADSIKPGDSLPTSQAYCPPTYS
TTGYSVDPVAGYQYGQYQSECLVPWASPVPPIPSPTPRASCLFMESYKVVSGWG
MSISQMEKCLKSSQMEQFT

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PAX7 full length protein (1-520aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. PAX7, also known as HUP1 or RMS2 or PAX7B, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.