



Recombinant Human PROM1 Protein Product Manual

1. Product Basic Information

Product No.: REP07909

Protein Name: Prominin Prominin-Ac133 Antigen (PROM1)

Aliases: RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061; hProminin; prominin prominin-AC133 antigen; antigen AC133; Retinitis pigmentosa 41, Cone-rod dystrophy 12

UniProt ID: O43490

UniProt Link: <https://www.uniprot.org/uniprotkb/O43490/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Partial (508-792aa)

Molecular Weight: 34.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (508-792aa)

GANVEKLICEPYTSKELFRVLDTPLYLLNEDWEYYLSGKLFNKSKMKLTFEQVYSDCK
KNRGTYGTLHLQNSFNISEHLNINEHTGSISSELESCLKVNLNIFLLGAAGRKNLQDFA
ACGIDRMNYDSYLAQTGKSPAGVNLLSFAYDLEAKANSLPPGNLRNSLKRDAQTIK
TIHQQRVLPSEQSLSTLYQSVKILQRTGNGLLERVTRILASLDFAQNFITNNTSSVIIIE
TKKYGRTIIGYFEHYLQWIEFSISEKVASCKPVATALDТАVDVFLCSYIIDPLN

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



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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 PROM1 partial protein (508-792aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. PROM1, also known as RP41 or AC133 or CD133, 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.