

Recombinant Human SMOC2 Protein Product Manual

1. Product Basic Information

Product No.: REP08279

Protein Name: Sparc-Related Modular Calcium-Binding Protein 2 (SMOC2)

Aliases: DTDP1; SMAP2; DTDP1A; MST117; SMAP-SMOC-MSTP117; MSTP140; SPARC-related modular calcium-binding protein 2

UniProt ID: Q9H3U7

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9H3U7/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (22-446aa)

Molecular Weight: 54.4 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (22-446aa)

QKFSALTFLRVDQDKDKDCSLDCAGSPQKPLCASDGRTFLSRCEFQRAKCKDPQL
EIAAYRGNCADVSRCAERKYTQEQRKEFQQVFIPECNDDGTYSVQVQCHSYTGYC
WCVTPNGRPISGTAVAHKTPRCPGSVNEKLPQREGTGKTDDAAAPALETQPQGDE
EDIASRYPTLWTEQVKSQRQKNTKNSVSSCDQEHQSALEEAKQPKNDNVVIPECA
HGGLYKPVQCHPSTGYCWCVLVDTGRPIPGTSTRYEQPKCDNTARAHPAKARDLY
KGRQLQGCPGAKKHEFLTSVLDALSTDMVHAASDPSSSSGRLSEPDPSHTLEERV
VHWYFKLLDKNSSGDIGKKEIKPFKRFLRKKSKPKKCVKKFVEYCDVNNDKSISVQE
LMGCLGVAKEDGKADTKKRHTPRGHAESTSNRQPRKQG

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 SMOC2 full length of mature protein protein (22-446aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. SMOC2, also known as DTDP1 or SMAP2 or DTDP1A, 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.