



Recombinant Mouse CSPG4 Protein Product Manual

1. Product Basic Information

Product No.: REP06575

Protein Name: Melanoma Chondroitin Sulfate Proteoglycan (CSPG4)

Aliases: NG2; MCSP; MCSPG; MSK16; CSPG4A; HMW-MAA; MEL-CSPG;
melanoma chondroitin sulfate proteoglycan

UniProt ID: Q6UVK1

UniProt Link: <https://www.uniprot.org/uniprotkb/Q6UVK1/entry>

Species Source: Mus musculus (Mouse)

Expression System: Yeast

Protein Length: Partial (1588-2229aa)

Molecular Weight: 70.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1588-2229aa)

SLEGTRKLTVCPEVSVQPLSSQSLSSASSSTGADPRHLLYRVVRGPQLGRLLHAQQG
SAEEVLVNFTQAEVNAGNILYEHMSSEPFWEAHDITIGLLLSSPPARDLAATLAVMV
SFDAACPQRPSRLWKNKGLWVPEGQRAKITVAALDAANLLASVPASQRSRHDVLF
QVTQFPTRGQLLVSEEPLHARRPYFLQSELAAGQLVYAHGGGGTQQDGFRFRAHL
QGPTGTSVAGPQTSEAFVITVRDVNERPPQPQASIPLRVTRGSRAPVSRAQLSVVD
PDSAPGEIEYEVQRAPHNGFLSLAGDNTGPVTHFTQADVDAGRLAFVANGSSVAG
VFQLMSDYGASPPIPMSLAVDVLPSTIEVQLRAPLEVPPQALGRTSLSRQQLQVISDR
EEDVAYRLTQGPLYGQLLVGGQPASAFSQLQVDQGDVVFVFTNFSSSQDHFQV
ALARGVNASATVNVTVQALLHVVAGGPWPQGTTLRDPTVLDASELANRTGSMMPH
FRLLAGPRYGRVVRVSQGRTESRSNQLVEHFTQRDLEEGQLGLEVGKPEGRSTGP
AGDRLTLELWAKGVPPAVALLDFATEPYHAAKSYSVALLSVPEAVRTETEKPGRSV
PTGQPGQAASSPVPTAAKGGFLGFLEANMFS

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)

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 Mouse CSPG4 partial protein (1588-2229aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CSPG4, also known as NG2 or MCSP or MCSPG, 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.