

Recombinant Rat CSPG5 Protein Product Manual

1. Product Basic Information

Product No.: REP06576

Protein Name: Chondroitin Sulfate Proteoglycan Chondroitin Sulfate Proteoglycan 5 (Neuroglycan C (CSPG5))

Aliases: chondroitin sulfate proteoglycan chondroitin sulfate proteoglycan 5 (neuroglycan C)

UniProt ID: O95196

UniProt Link: <https://www.uniprot.org/uniprotkb/O95196/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: E.coli

Protein Length: Partial (31-428aa)

Molecular Weight: 47.3 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (31-428aa)

VPAREAGSAIEAEELVRSGLAWESRANDTREEAGLPAAGEDETSWTERGSELA
AVGPGVGPEETLEASAAVTGTAWLEADGTGLGGVTAEAGSGDAQTLPATLQAPDEAL
GSSTMPPAIPEATEASGPPSPTLRDKPSLVPELPKEIPLEVWLNLLGGSTPDPQRPEP
TFPLQGTLETQPASDIIDIDYFEGLDSEGRGTDMMGRFPGSPGTSENHPDTEGETPS
WSLLDLYDDFTPFDESDFYPTTSFYDDLEEEEEEEEDKDAVGGGDLEDESLLLLPS
QKPGVGPQTGQPTSRWHAVPPQHTLGMVPGGSISLRPRPGDPGKDLATSENGTE
CRVGFVRHNGSCRSVCDLFP SYCHNGGQCYLVENIGAFRCRCNTQDYIWHKGMRC
ESIITDFQVMC

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 Rat CSPG5 partial protein (31-428aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. CSPG5, also known as chondroitin sulfate proteoglycan chondroitin sulfate proteoglycan 5 (neuroglycan C, 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.