

Decorin, 17-354aa, Mouse, His tag, Insect cell

Cat.NO.: TP01856

3th Edition

Synonyms:Dcn, DC, DSPG2, mDcn, PG40, PGII, PGS2, SLRR1B

Description:DCN, also known as decorin, is a proteoglycan known to interact with collagen and growth factors, may play key roles during ontogenesis, tissue remodeling, and cancer. It regulates assembly of the extracellular collagen matrix and the bioactivity of the matrix associated growth factors FGF-2, GDF-8/Myostatin, TGF-Beta, and WISP-1. Recombinant mouse DCN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 30% glycerol, 0.1mM PMSF

Molecular Weight:38.8kDa (344aa) 40-57kDa (SDS-PAGE under reducing conditions.)

Sequences:

GPFEQRGLFDFMLEDEASGIIPYDPDNPLISMCPYRCQCHLRVVQCSDLGLDKVPWDFPPDPTLLDLQNNKITEIKE
GAFKNLKDHLTLILVNNKISKISPEAFKPLVKLERLYLSKNQLKELPEKMPRTLQELRVHENEITKLRKSDFNGLNNVL
VIELGGNPLKNNGIENGAFQGLKSLSYIRISDTNITAIPQGLPTSLTEVHLDGNKITKVDAPSLKGLINLSKLGLSFNSIT
VMENGSLANVPHLRELHLDNNKLLRVPAQLAQHKYIQVVYLHNNNISAVGQNDFCRAGHPSRKASYSYAVSLYGNP
VRYWEIFPNTFRCVYVRSAILGLGNYKHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.