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32-13352: OPTC Human

Alternative Name : Opticin, Oculoglycan, OPT.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
Opticin also known as OPTC is a member of the class III of the small leucine-richÂ repeat protein (SLRP) family. Members of this family are usually linked with the extracellular matrix. OPTC is attended in significant quantities in the vitreous of the eye and also localizes to the cornea, iris, ciliary body, optic nerve, choroid, retina, and fetal liver. OPTC might noncovalently bind collagen fibrils and regulate fibril morphology, spacing and organization. OPTC is mapped to a an area of chromosome 1 which is linked with the inherited eye diseases age-related macular degeneration (AMD) and posterior column ataxia with retinosa pigmentosa (AXPC1).
OPTC Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 336 amino acids (20-332 a.a) and having a molecular mass of 37.6kDa. OPTC is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	OPTC protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSASLPRKE RKRREEQMPR EGDSFEVLPL RNDVLNPDNY GEVIDLSNYE ELTDYGDQLP EVKVTSLAPA TSISPAKSTT APGTPSSNPT MTRPTTAGLL LSSQPNHGLP TCLVCVCLGS SVYCDDIDLE DIPPLPRRTA YLYARFNRIS RIRAEDFKGL TKLKRIDLSN NLISSIDNDA FRLLHALQDL ILPENQLEAL PVLPSGIEFL DVRLNRLQSS GIQPAAFRAM EKLQFLYLSD NLLDSIPGPL PLSLRSVHLQ NNLIETMQRD VFCDPEEHKH TRRQLEDIRL DGNPINLSLF PSAYFCLPRL PIGRFT.

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