9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

OPTC Human

Opticin Human Recombinant
RCP1559

Product Overview

Name	OPTC Human
Description	
Opticin Human Recombinant	
Accession (Primary)	Q9UBM4
Synonyms	
Opticin, Oculoglycan, OPT.	
Introduction	
Opticin also known as OPTC is a member of the class III of the small leucine-rich 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).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
OPTC protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS ASLPRKE RKRREEQMPR EGDSFEVLPL RNDVLNPDNY GEVIDLSNYE ELTDYGDQLP EVKVTSLAPA TSISPAKSTT APGTPSSNPT MTRPTTAGLL LSSQPNHGLP TCLVCVCLGS SVYCDDIDLE DIPPLPRRTA YLYARFNRIS RIRAEDFKGL TKLKRIDLSN NLISSIDNDA FRLLHALQDL ILPENQLEAL	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PVLPSGIEFL DVRLNRLQSS GIQPAAFRAM EKLQFLYLSD NLLDSIPGPL PLSLRSVHLQ NNLIETMQRD VFCDPEEHKH TRRQLEDIRL DGNPINLSLF PSAYFCLPRL PIGRFT.

Precautions

OPTC Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UBM4)