

Product datasheet for AR51734PU-S

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Opticin (20-332, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Opticin (20-332, His-tag) human recombinant protein, 0.1 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MGSASLPRKE RKRREEQMPR EGDSFEVLPL RNDVLNPDNY or AA Sequence:

GEVIDLSNYE ELTDYGDQLP EVKVTSLAPA TSISPAKSTT APGTPSSNPT MTRPTTAGLL

LSSQPNHGLP TCLVCVCLGS SVYCDDIDLE DIPPLPRRTA YLYARFNRIS RIRAEDFKGL TKLKRIDLSN NLISSIDNDA FRLHALQDL ILPENQLEAL PVLPSGIEFL DVRLNRLQSS GIQPAAFRAM EKLQFLYLSD NLLDSIPGPL PLSLRSVHLQ NNLIETMQRD VFCDPEEHKH TRRQLEDIRL DGNPINLSLF PSAYFCLPRL

PIGRFT

Tag: His-tag Predicted MW: 37.6 kDa Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: This purified protein is available in a denatured form, making it less

suitable for functional studies. Denatured proteins are better suited for applications like

Western Blot (WB) or imaging assays.

State: Liquid purified protein

Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human OPTC protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 055174

Locus ID: 26254 **UniProt ID:** Q9UBM4 Cytogenetics: 1q32.1





Synonyms: OPTC, OPT, Oculoglycan

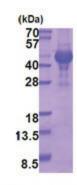
Summary: Opticin belongs to class III of the small leucine-rich repeat protein (SLRP) family. Members of

this family are typically associated with the extracellular matrix. Opticin is present 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. Opticin may noncovalently bind collagen fibrils and regulate fibril morphology, spacing, and organization. The opticin gene is mapped to a region of chromosome 1 that is associated with the inherited eye diseases age-related macular degeneration (AMD) and posterior column ataxia with retinosa pigmentosa (AXPC1).

[provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein

Product images:



15% SDS-PAGE (3ug)