

Product datasheet for **AR51734PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Opticin (20-332, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSASLPKE RKRREEQMPR EGDSFEVLPL RNDVLNPDNY GEVIDLSNYE ELTDYGDQLP EVKVTSLAPA TSISPAKSTT APGTPSSNPT MTRPTTAGLL LSSQPNHGLP TCLVCVCLGS SVYCDDIDLE DIPPLPRRTA YLYARFNRI RIRAEDFKGL TKLKRIDLSN NLISSIDNDA FRLHALQDL ILPENQLEAL PVLPSGIEFL DVRLNRLQSS GIQPAAFRAM EKLQFLYLSL 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



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Synonyms: OPTC, OPT, Oculogykan

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:

