RTBDN Protein, Human (HEK293, His)

Cat. No.:	HY-P71268
Synonyms:	Retbindin; RTBDN
Species:	Human
Source:	HEK293
Accession:	Q9BSG5 (S31-P229)
Gene ID:	83546
Molecular Weight:	Approximately 30.0 kDa

PROPERTIES

AA Sequence	S R P L Q A R S Q Q H H G L A A D L G K G K L H L A G P C C P S E M D T T E T S G P G N H P E R C G V P S P E C E S F L E H L Q R A L R S R F R L R L L G V R Q A Q P L C E E L C Q A W F A N C E D D I T C G P T W L P L S E K R G C E P S C L T Y G Q T F A D G T D L C R S A L G H A L P V A A P G A R H C F N I S I S A V P R P R P G R R G R E A P S R R S R S P R T S I L D A A G S G S G S G S G S G P
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US;may vary elsewhere.

DESCRIPTION

Background	The RTBDN protein serves as a riboflavin-binding protein, indicating a potential involvement in the transport of retinal flavins. As a carrier for riboflavin, RTBDN may play a crucial role in facilitating the transport of this essential vitamin, contributing to various biological processes and cellular functions. The specific binding and potential transport of riboflavin by RTBDN suggest its importance in supporting retinal health and function through the regulation of flavin molecules.

Caution: Product has not been fully validated for medical applications. For research use only.

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