

RTBDN Protein, Human, Recombinant (His)

General Information

Synonyms:	Retbindin;RTBDN
Protein Construction:	Ser31-Pro229
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9BSG5
Molecular Weight:	30 KDa (reducing condition)
AA Sequence:	Ser31-Pro229

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM PB, 150 mM NaCl, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Human Retbindin is a 229 amino acid secreted protein that belongs to the folate receptor family. The gene that encodes retbindin exists as two alternatively spliced isoforms. Retbindin is first expressed in retina. It may play a role in binding retinoids and other carotenoids as it shares homology with;riboflavin binding proteins. RTBDN gene was first identified in a study of human eye tissues.

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