



[Go to Product page](#)

## Datasheet for ABIN7197705 RP2 Protein (GST tag)

### Overview

Quantity:	100 µg
Target:	RP2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RP2 protein is labelled with GST tag.

### Product Details

Purpose:	Recombinant Human XRP2/RP2 Protein (GST Tag)
Sequence:	Met 1-Thr 350
Characteristics:	A DNA sequence encoding the human XRP2 (NP_008846.2) (Met 1-Thr 350) was fused with the GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	RP2
Alternative Name:	XRP2/RP2 ( <a href="#">RP2 Products</a> )
Background:	Background: XRP2, also known as Protein XRP2 and RP2, is a member of the TBCC (tubulin cofactor C) family and contains one C-CAP/cofactor C-like domain. This protein is encoded by the RP2 gene in humans. XRP2 stimulates the GTPase activity of tubulin, but does not enhance

## Target Details

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tubulin heterodimerization. XRP2 acts as guanine nucleotide dissociation inhibitor for ARL3. Defects in RP2 gene are the cause of retinitis pigmentosa type 2 (RP2), also known as X-linked retinitis pigmentosa 2 (XLRP-2). It leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.

Synonym: DELXp11.3;KIAA0215;NM23-H10;NME10;RP2;TBCCD2;XRP2

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Molecular Weight: 66 kDa

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NCBI Accession: [NP\\_008846](#)

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Pathways: [Nucleotide Phosphorylation](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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Buffer: Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 1 mM GSH 0.5 mM EDTA, 0.5 mM PMSF pH 8.0

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.