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Datasheet for ABIN1475648 RPE65 Protein (AA 2-533) (His tag)

Overview

Quantity:	1 mg
Target:	RPE65
Protein Characteristics:	AA 2-533
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPE65 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>SIQIEHPAG GYKKLFETVE ELSTPLTAHV TGRIPWLTLG SLLRCGPGLF EVGSEPFYHL</p> <p>FDGQALLHKF DFKEGHVTTY RRFIRTDAYV RAMTEKRIVI TFGTCAFPD PCKNIFSRFF</p> <p>SYFRGVEVTD NALVNIYPVG EDYYACTETN FITKINPETL ETIKQVDLCN YVSVNGATAH</p> <p>PHIESDGTVY NIGNCFGKNF TVAYNIKIP PLKADKEDPI NKSEVVVQFP CSDRFKPSYV</p> <p>HSFGLTPNYI VFVETPVKIN LFKFLSSWSL WGANYMDCFE SNESMGVWLH VADKKRRKYF</p> <p>NNKYRTSPFN LFHHINTYED NGFLIVDLCC WKGFEFVYNY LYLNLRENW EEVKRNAMKA</p> <p>PQPEVRRYVL PLTIDKADTG RNLVTLPHTT ATAILCSDET IWLEPEVLFS GPRQAFEPQ</p> <p>INYQKCGGKP YTYAYGLGLN HFVPDKLCKL NVKTKEIWMW QEPDSYPSEP IFVSQPDAL</p> <p>EDDGVVLSV VSPGAGQKPA YLLVLNAKDL SEIARAEVET NIPVTFHGLF KKP</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity: > 90 %

Target Details

Target: RPE65

Alternative Name: Retinoid isomerohydrolase (Rpe65) ([RPE65 Products](#))

Background: Recommended name: Retinoid isomerohydrolase.
EC= 3.1.1.64.
Alternative name(s): All-trans-retinyl-palmitate hydrolase Retinal pigment epithelium-specific 65 kDa protein Retinol isomerase

UniProt: [070276](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Handling

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.