

Datasheet for ABIN7584841

IMPG1 Protein (AA 21-798) (His tag)



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Overview

Quantity:	100 µg
Target:	IMPG1
Protein Characteristics:	AA 21-798
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This IMPG1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>IKDTSTKTHS SGTKNIDKAP RIETTESTSA VHKA STMKRL FAVAKLRNKR SALFPAVNIC</p> <p>PRESLRQILE SLQEYYRLRV CQEIVWEAYR IFLDRVPDTE EYQDWVSLCQ KETFCLFDIG</p> <p>KNFSNSQEHL DLLQQRIFQR SFSGRKDDMS PIEILGVPTT APVLPIDVSS MSLRPFPLPP</p> <p>DDTDLKEVTI KDIQTPIAIR RAELESKPEP THVTEISSEE KVEFSISLPN HRFKAELTNS</p> <p>RSPYYQELVG QSQLQLQKIF KKLPGFGEIR VLGFRPKKEE DGSSSTEIQL MAIFKRDHAE</p> <p>SKGPESDLLS LDSNKIERER IHHGAIEDKQ PEAYLTAADL KKLIRLLDG DQPLVGGTVP</p> <p>FSDEVTEPLF RPVTQSELPK PLTDVTEDVT LSPELPFSEP RLESVDIYGP YLPDSSWSRP</p> <p>VTASTSGVGN LPSFTPSIFA LDDQSSPPLM ATGPTAFIPT LTLPISDYST VRQWPLEVSH</p> <p>WPESSSDREL STTSSHDTIR DLDEMDVSDT PALSEIAELS GYDSAPDRFL EMTTPIPTLQ</p> <p>YVTXSSETIA AKGHELVVFF SLRVANMPFS YDLFNKSSLE YQALEQRFTD LLVPYLRSNL</p> <p>TGFKQLEILS FRNGSIVVNS KVRFAKAVPY NLTQAVRGVL EDLRSTAAQE LNLEIESYSL</p> <p>DIEPADQADP CKFLDCGKFA QCIKNELTEE AECRCRQGHE SHGTLEYQEL NLCPPGKTCE</p>
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Product Details

ASQGQATPCR PPDHSTNQAR QPSVKKLQRQ QNKVVKKRNS ELSATDFEEL DDQDWEGN

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.

Purity: > 90 %

Target Details

Target: IMPG1

Abstract: [IMPG1 Products](#)

Background: Recommended name: Interphotoreceptor matrix proteoglycan 1.
Alternative name(s): Mucin-like glycoprotein associated with photoreceptor cells Sialoprotein associated with cones and rods

UniProt: [Q9ET62](#)

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 modified 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

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.