

# Recombinant Human MAG1 protein ab127632

### Description

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<b>Product name</b>	Recombinant Human MAG1 protein
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<u><a href="#">Q53EU6</a></u>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	23 kDa
<b>Amino acids</b>	225 to 430
<b>Tags</b>	His-DHFR tag N-Terminus

### Specifications

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Our **Abpromise guarantee** covers the use of **ab127632** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C. Constituents: 0.32% Tris HCl, 0.58% Sodium chloride
<b>Reconstitution</b>	Reconstitute with water to desired concentration.

### General Info

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<b>Function</b>	Esterifies acyl-group from acyl-ACP to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipid biosynthesis. Overexpression activates the mTOR pathway.
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<b>Tissue specificity</b>	Widely expressed. Expressed in liver, kidney, testis, brain, heart, skeletal muscle, thyroid, prostate, thymus and placenta. Also expressed lung and adipose tissue.
<b>Pathway</b>	Glycerolipid metabolism; triacylglycerol biosynthesis. Phospholipid metabolism; CDP-diacylglycerol biosynthesis; CDP-diacylglycerol from sn-glycerol 3-phosphate: step 1/3.
<b>Sequence similarities</b>	Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.
<b>Domain</b>	The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.
<b>Cellular localization</b>	Endoplasmic reticulum membrane.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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