

Datasheet for ABIN7549180

**Asparaginase Protein (AA 1-573) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Asparaginase (ASPG)
Protein Characteristics:	AA 1-573
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Asparaginase protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat ASPG Protein expressed in mammalian cells.
Sequence:	MARAVGPERR LLAVYTGGTI GMRSELGVLV PGTGLAAILR TLPMFHDEEH ARARGLSEDT LVLPPASRNQ RILYTVLECG PLFDSSDMTI AEWVCLAQTI KRHYEQYHGF VVIHGTDTMA FAASMLSFML ENLQKTVILT GAQVPIHALW SDGRENLLGA LLMAGQYVIP EVCLFFQNQL FRGNRATKVD ARRFAAFCSPL NLLPLATVGA DITINRELVR KVDGKAGLVV HSSMEQDVGL LRLYPGIPAA LVRAFLQPPL KGVVMEFSG GNGPTKPDLL QELRVATERG LVIVNCTHCL QGAVTDDYAA GMAMAGAGVI SGFDMTSEAA LAKLSYVLGQ PGLSLDVRKE LLTKDLRGEM TPPSVEERRP SLQGNTLGGG VSWLLSLSGS QEADALRNAL VPSLACAAAH AGDVEALQAL VELGSDLGLV DFNGQTPLHA AARGGHTAV TMLLQRGVDV NTRDTDGFSP LLLAVRGRHP GVIGLLREAG ASLSTQELER AGTELCRLAY RADLEGLQVW WQAGADLGQP GYDGHSALHV AEAAGNLAVV AFLQSLEGAV GAQAPCPEVL PGV <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</b>

## Product Details

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**of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

Asparaginase (ASPG)

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### Alternative Name:

ASPG ([ASPG Products](#))

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### Background:

60 kDa lysophospholipase (LysoLP) (EC 3.1.1.5) (Lysophospholipase-transacylase) [Includes: L-asparaginase (EC 3.5.1.1) (L-asparagine amidohydrolase), 1-alkyl-2-acetylgllycerophosphocholine esterase (EC 3.1.1.47) (Platelet-activating factor acetylhydrolase) (PAF acetylhydrolase)],FUNCTION: Exhibits lysophospholipase, transacylase, PAF acetylhydrolase and asparaginase activities (By similarity). Can catalyze three types of transacylation reactions: (1) acyl transfer from 1-acyl-sn-glycero-3-phosphocholine (1-acyl-GPC) to the sn-1(3) positions of glycerol and 2-acylglycerol (sn-1 to -1(3) transfer), (2) acyl transfer from 1-acyl-GPC to the sn-2 positions of 1-acyl-GPC, 1-acyl-sn-glycero-3-phosphoethanolamine (1-acyl-GPE), and other lysophospholipids (sn-1 to -2 transfer) and (3) acyl transfer from 2-acyl-GPC to the sn-1 position of 2-acyl-GPC and 2-acyl-GPE (sn-2 to -1 transfer) (By similarity). Mediates the synthesis of 1-arachidonoyl species of phospholipids by transferring the

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## Target Details

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arachidonoyl residue from 2-arachidonoyl lysophospholipid to the sn-1 position of 2-acyl lysophospholipid (By similarity). {ECO:0000250|UniProtKB:O88202}.

Molecular Weight: 60.9 kDa

UniProt: [Q86U10](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months