

Datasheet for ABIN7321012

BFAR Protein**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	BFAR
Origin:	Streptomyces hygroscopicus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Streptomyces hygroscopicus Bar Protein
Sequence:	Met1-Ile183
Characteristics:	Recombinant Streptomyces hygroscopicus Bar is produced by our E.coli expression system and the target gene encoding Met1-Ile183 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	BFAR
Alternative Name:	Bar (BFAR Products)
Background:	Background: Phosphinothricin N-acetyltransferase (PAT) is an enzyme that acetylates the free NH ₂ group of L-phosphinothricin (L-PPT) in the presence of acetyl-CoA as a co-substrate. It is highly specific for L-PPT and does not acetylate other L-amino acids or structurally similar molecules. L-PPT is a glutamate analog that can inhibit glutamine synthetase activity in plants,

Target Details

	resulting in the accumulation of ammonia to toxic levels and impairment of photosynthesis. The introduction of a PAT gene into a plant genome can confer resistance to glufosinate herbicide during post-emergent applications. Synonym: Phosphinothricin N-acetyltransferase, PPT N-acetyltransferase, Phosphinothricin-resistance protein, bar
Molecular Weight:	20.6 kDa
UniProt:	P16426

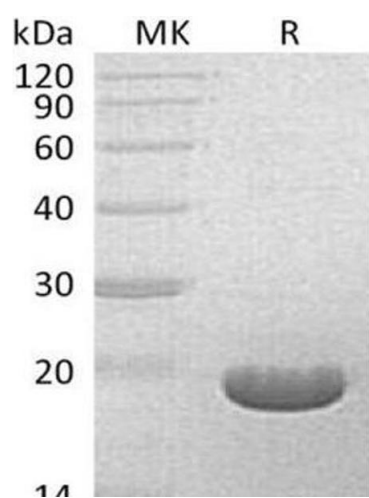
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
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.

Images



Western Blotting

Image 1.