

Datasheet for ABIN7561224
PACRG Protein (AA 1-241) (His tag)



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Overview

Quantity:	1 mg
Target:	PACRG
Protein Characteristics:	AA 1-241
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PACRG protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pacrg Protein expressed in mammalien cells.
Sequence:	<p>MPKRTKLLPQ QTFQVHQPRS LVSEGFTVKA MMKNSVVRGP PVAGAFKERP AKPTTFRKCY ERGFPIALE HDSKGNKIAW KVEIEKLDYH HYLPLFFDGL SEMTFPYEFF ARRGIHDMLE HGGNKILPVI PQLIPIKNA LNLNRNQIIC VTLKVLQHLV VSSEMVGEAL LPYYRQILPI LNIFKNMNVN SGDIDYSQQ KRENIGDLIQ ETLEAFERYG GEDAFINIKY MVPTYESCLL N</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.</p> <p>In case you have a special request, please contact us.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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.

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

Grade: custom-made

Target Details

Target: PACRG

Alternative Name: Pacrg ([PACRG Products](#))

Background: Parkin coregulated gene protein homolog (Hypertension-related protein 1-like protein) (PARK2 coregulated gene protein),FUNCTION: Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (By similarity). Suppresses cell death induced by accumulation of unfolded Pael receptor (Pael-R, a substrate of Parkin). Facilitates the formation of inclusions consisting of Pael-R, molecular chaperones, protein degradation molecules and itself when proteasome is inhibited. May play an important role in the formation of Lewy bodies and protection of dopaminergic neurons against Parkinson disease (By similarity).
{ECO:0000250|UniProtKB:A5PK71, ECO:0000250|UniProtKB:Q96M98}.

Molecular Weight: 27.7 kDa

UniProt: [Q9DAK2](#)

Application Details

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.

Application Details

Restrictions: For Research Use only

Handling

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