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Datasheet for ABIN7563308

GADD45A Protein (AA 1-165) (His tag)

Overview

Quantity:	1 mg
Target:	GADD45A
Protein Characteristics:	AA 1-165
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GADD45A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gadd45a Protein expressed in mammalian cells.
Sequence:	MTLEEFSAAE QKTERMDTVG DALEEVLSKA RSQRTITVGV YEAAKLLNVD PDNVVLCLLA ADEDDDRDVA LQIHFTLIRA FCCENDINIL RVSNPGRLE LLLLENDAGP AESGGAAQTP DLHCVLVTNP HSSQWKDPAL SQLICFCRES RYMDQWVPVI NLPER 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. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• 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

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	GADD45A
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Alternative Name:	Gadd45a (GADD45A Products)
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Background:	Growth arrest and DNA damage-inducible protein GADD45 alpha (DNA damage-inducible transcript 1 protein) (DDIT-1),FUNCTION: Might affect PCNA interaction with some CDK (cell division protein kinase) complexes, stimulates DNA excision repair in vitro and inhibits entry of cells into S phase. In T-cells, functions as a regulator of p38 MAPKs by inhibiting p88 phosphorylation and activity. {ECO:0000269 PubMed:15735649}.
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Molecular Weight:	18.3 kDa
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UniProt:	P48316
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Pathways:	p53 Signaling , Cell Division Cycle
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Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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