

Datasheet for ABIN7552780

BTG2 Protein (AA 1-158) (His tag)



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Overview

Quantity:	1 mg
Target:	BTG2
Protein Characteristics:	AA 1-158
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTG2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BTG2 Protein expressed in mammalian cells.
Sequence:	<p>MSHGKGT DML PEIAAAVGFL SSLLRTRGCV SEQRLKVFSG ALQEALTEHY KHHWFPEKPS</p> <p>KGSGYRCIRI NHKMDPIISR VASQIGLSQP QLHQLLPSEL TLWVDPYEVS YRIGEDGSIC</p> <p>VLYEEAPLAA SCGLLTCKNQ VLLGRSSPSK NYVMAVSS 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.</p>
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:	<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 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)
Grade:	custom-made

Target Details

Target:	BTG2
Alternative Name:	BTG2 (BTG2 Products)
Background:	Protein BTG2 (BTG family member 2) (NGF-inducible anti-proliferative protein PC3),FUNCTION: Anti-proliferative protein, the function is mediated by association with deadenylase subunits of the CCR4-NOT complex. Activates mRNA deadenylation in a CNOT6 and CNOT7-dependent manner. In vitro can inhibit deadenylase activity of CNOT7 and CNOT8. Involved in cell cycle regulation. Could be involved in the growth arrest and differentiation of the neuronal precursors (By similarity). Modulates transcription regulation mediated by ESR1. Involved in mitochondrial depolarization and neurite outgrowth. {ECO:0000250, ECO:0000269 PubMed:12771185, ECO:0000269 PubMed:15788397, ECO:0000269 PubMed:18337750, ECO:0000269 PubMed:18773938, ECO:0000269 PubMed:23236473}.
Molecular Weight:	17.4 kDa
UniProt:	P78543
Pathways:	MAPK Signaling

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	functional studies yet we cannot offer a guarantee though.
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