

Datasheet for ABIN7544042
STYX Protein (AA 1-223) (His tag)



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Overview

Quantity:	1 mg
Target:	STYX
Protein Characteristics:	AA 1-223
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STYX protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant STYX Protein expressed in mammalian cells.
Sequence:	<p>MEDVKLEFPS LPQCKEDAEW WTYPMRREMQ EILPGLFLGP YSSAMKSKLP VLQKHGITHI</p> <p>ICIRQNIEAN FIKPNFQQLF RYLVLDIADN PVENIIRFFP MTKEFIDGSL QMGGKVLVHG</p> <p>NAGISRSAF VIAYIMETFG MKYRDAFAYV QERRFCINPN AGFVHQLQEY EAIYLAKLTI</p> <p>QMMSPLQIER SLSVHSGTTG SLKRTHEEED DFGTMQVATA QNG 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.

Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	STYX
Alternative Name:	STYX (STYX Products)
Background:	Serine/threonine/tyrosine-interacting protein (Inactive tyrosine-protein phosphatase STYX) (Phosphoserine/threonine/tyrosine interaction protein),FUNCTION: Catalytically inactive phosphatase (PubMed:23847209). Acts as a nuclear anchor for MAPK1/MAPK3 (ERK1/ERK2) (PubMed:23847209). Modulates cell-fate decisions and cell migration by spatiotemporal regulation of MAPK1/MAPK3 (ERK1/ERK2) (PubMed:23847209). By binding to the F-box of FBXW7, prevents the assembly of FBXW7 into the SCF E3 ubiquitin-protein ligase complex, and thereby inhibits degradation of its substrates (PubMed:28007894). Plays a role in spermatogenesis (By similarity). {ECO:0000250 UniProtKB:Q60969, ECO:0000269 PubMed:23847209, ECO:0000269 PubMed:28007894}.
Molecular Weight:	25.5 kDa
UniProt:	Q8WUJ0

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