

Datasheet for ABIN7561157

Sulfiredoxin 1 Protein (SRX1) (AA 1-136) (His tag)



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Overview

Quantity:	1 mg
Target:	Sulfiredoxin 1 (SRX1)
Protein Characteristics:	AA 1-136
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sulfiredoxin 1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Srxn1 Protein expressed in mammalian cells.
Sequence:	MGLRAGGALR RAGAGPGAPE GQGPGGAQGG SIHSGCIATV HNVPIAVLIR PLPSVLDPK VQSLVDTILA DPDSVPPIDV LWIKGAQGGD YYYSFGGCHR YAAYQQLQRE TIPAKLVRST LSDLRMYLGA STPDLO 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 transmembrane proteins.

Product Details

- 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:	Sulfiredoxin 1 (SRX1)
Alternative Name:	Srxn1 (SRX1 Products)
Background:	Sulfiredoxin-1 (EC 1.8.98.2) (Neoplastic progression protein 3),FUNCTION: Contributes to oxidative stress resistance by reducing cysteine-sulfinic acid formed under exposure to oxidants in the peroxiredoxins PRDX1, PRDX2, PRDX3 and PRDX4. Does not act on PRDX5 or PRDX6. May catalyze the reduction in a multi-step process by acting both as a specific phosphotransferase and a thioltransferase. {ECO:0000269 PubMed:15448164}.
Molecular Weight:	14.1 kDa
UniProt:	Q9D975

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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

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