

Datasheet for ABIN7551222
SDR16C5 Protein (AA 1-309) (His tag)



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Overview

Quantity:	1 mg
Target:	SDR16C5 (RDHE2)
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SDR16C5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SDR16C5 Protein expressed in mammalian cells.
Sequence:	MSFNLQSSKK LFIFLGKSLF SLLEAMIFAL LPKPRKNVAG EIVLITGAGS GLGRLLALQF ARLGSVLVLW DINKEGNEET CKMAREAGAT RVHAYTCDCS QKEGVYRVAD QVKKEVGDVS ILINNAGIVT GKKFLDCPDE LMEKSFVNF KAHLWTYKAF LPAMIANDHG HLCISSAG LSGVNGLADY CASKFAAFGF AESVFVETV QKQKGIKTTI VCPFFIKTGM FEGCTTGCP LLPILEPKYA VEKIVEAILQ EKMYLYMPKL LYFMMFLKSF LPLKTGLLIA DYLGILHAMD GFVDQKKKL 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:

Product Details

- 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.
- 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:	SDR16C5 (RDHE2)
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Alternative Name:	SDR16C5 (RDHE2 Products)
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Background:	Epidermal retinol dehydrogenase 2 (EPHD-2) (RDH-E2) (EC 1.1.1.105) (Retinal short-chain dehydrogenase reductase 2) (retSDR2) (Short-chain dehydrogenase/reductase family 16C member 5),FUNCTION: Oxidoreductase with strong preference for NAD (PubMed:18926804). Active in both the oxidative and reductive directions (PubMed:18926804). Oxidizes all-trans-retinol in all-trans-retinaldehyde (PubMed:18926804). No activity was detected with 11-cis-retinol or 11-cis-retinaldehyde as substrates with either NAD(+)/NADH or NADP(+)/NADPH (PubMed:18926804). {ECO:0000269 PubMed:18926804}.
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Molecular Weight:	34.1 kDa
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UniProt:	Q8N3Y7
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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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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