

Product datasheet for PH306759

RDHE2 (SDR16C5) (NM_138969) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SDR16C5 MS Standard C13 and N15-labeled recombinant protein (NP_620419)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206759
Predicted MW:	34.1 kDa
Protein Sequence:	>RC206759 protein sequence Red=Cloning site Green=Tags(s) MSFNLQSSKFLIFLGLKSLFSLLEAMIFALLPKPRKNVAGEIVLITGAGSGLGRLLALQFARLGSVLVLW DINKEGNEETCKMAREAGATRVHAYTCDSCQKEGVYRVADQVKKEVDVSILINNAGIVTGKKFLDCPDE LMEKSFVNFKAHLWTYKAFLPAMIANDHGHLVCISSSAGLSGVNGLADYCASKFAAFGFAESVVFVETV QKQKGIKTTIVCPFFIKTGMFEGCTTGCPSSLPILEPKYAVEKIVEAILQEKMVLYMPKLLYFMMFLKSF LPLKTGLLIADYLGILHAMDGFVDQKKKL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_620419</u>
RefSeq Size:	3039
RefSeq ORF:	927
Synonyms:	EPHD-2; RDH#2; RDH-E2; RDHE2; retSDR2
Locus ID:	195814



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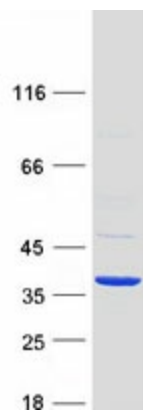
UniProt ID: [Q8N3Y7](#), [B3KT84](#)

Cytogenetics: 8q12.1

Summary: This gene encodes a member of the short-chain alcohol dehydrogenase/reductase superfamily of proteins and is involved in the oxidation of retinol to retinaldehyde. The encoded protein is associated with the endoplasmic reticulum and is predicted to contain three transmembrane helices, suggesting that it is an integral membrane protein. It recognizes all-trans-retinol and all-trans-retinaldehyde as substrates and exhibits a strong preference for NAD(+)/NADH as cofactors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified SDR16C5 protein (Cat# [TP306759]). The protein was produced from HEK293T cells transfected with SDR16C5 cDNA clone (Cat# [RC206759]) using MegaTran 2.0 (Cat# [TT210002]).