

Product datasheet

Recombinant Human DIRAS1 protein ab99389

1 Image

Description

Product name	Recombinant Human DIRAS1 protein
Purity	> 95 % SDS-PAGE. ab99389 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>O95057</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSH MPEQSNDYRVVVFAGG VGKSSLVLRVKG TFRDTYPTIEDTYRQVISCDKSVCTLQITD TTGSHQFPAMQ RLSISKGH AFILVFSVTSKQSLEELGPMKLVQIKGSVEDIPVMLVGNK CDETQREV DTREAQAVAQEWKCAFMETSAKMNNYVKELFQELLTLET RRNMSLNIDGK RSGKQKRTDRVKGKC
Predicted molecular weight	24 kDa including tags
Amino acids	1 to 195
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab99389** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 0.0292% EDTA, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

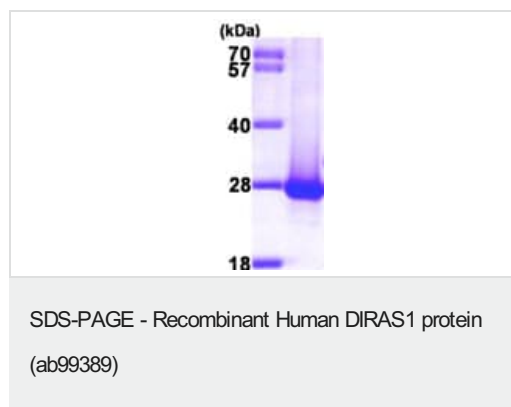
Relevance

The three human RAS genes encode highly related 188 to 189 amino acid proteins, designated H-Ras, N-Ras and K-Ras4A and K-Ras4B (the two K-Ras proteins arise from alternative gene splicing). Ras proteins function as binary molecular switches that control intracellular signaling networks. Ras-regulated signal pathways control such processes as actin cytoskeletal integrity, proliferation, differentiation, cell adhesion, apoptosis, and cell migration. Ras and ras-related proteins are often deregulated in cancers, leading to increased invasion and metastasis, and decreased apoptosis. DIRAS1 displays low GTPase activity and exists predominantly in the GTP-bound form. It is highly expressed in heart and brain.

Cellular localization

Cell membrane; Lipid-anchor; Cytoplasmic side

Images



15% SDS-PAGE analysis of 3µg ab99389.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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