

Recombinant Human NISCH Protein, GST-tagged

Cat. No. NISCH-5878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NISCH partial ORF (AAH56900, 1246 a.a. - 1345 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a nonadrenergic imidazoline-1 receptor protein that localizes to the cytosol and anchors to the inner layer of the plasma membrane. The orthologous mouse protein has been shown to influence cytoskeletal organization and cell migration by binding to alpha-5-beta-1 integrin. In humans, this protein has been shown to bind to the adapter insulin receptor substrate 4 (IRS4) to mediate translocation of alpha-5 integrin from the cell membrane to endosomes. Expression of this protein was reduced in human breast cancers while its overexpression reduced tumor growth and metastasis; possibly by limiting the expression of alpha-5 integrin. In human cardiac tissue, this gene was found to affect cell growth and death while in neural tissue it affected neuronal growth and differentiation. Alternative splicing results in multiple transcript variants encoding different isoforms. Some isoforms lack the expected C-terminal domains of a functional imidazoline receptor. [provided by RefSeq, Jan 2013]
Molecular Mass	36.74 kDa
AA Sequence	LTGSTPMQVVTCLTRDSYLTHCFLQHLMVVLSSLERTPSPEPVDKDFYSEFGNKTT

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	GKMENYELIHSSRVKFTYPSEEEIGDLTFTVAQKMAEPEKAPAL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	NISCH nischarin [Homo sapiens]
Official Symbol	NISCH
Synonyms	NISCH; nischarin; I 1; I 1 receptor candidate protein; imidazoline receptor antisera selected; imidazoline receptor candidate; IRAS; KIAA0975; IR1; hIRAS; I1R candidate protein; imidazoline receptor 1; I-1 receptor candidate protein; imidazoline-1 receptor candidate protein; imidazoline receptor antisera-selected protein; I-1; FLJ14425; FLJ40413; FLJ90519;
Gene ID	11188
mRNA Refseq	NM_007184
Protein Refseq	NP_009115

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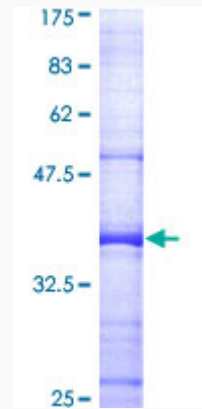


UniProt ID

Q9Y2I1

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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