Recombinant Human NISCH Protein, His/GST-tagged

Cat. No. NISCH-299H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NISCH(Leu1246~Ser1346) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu1246~Ser1346
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 differerent isoforms. Some isoforms lack the expected C-terminal domains of a functional imidazoline receptor.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	43.8kDa

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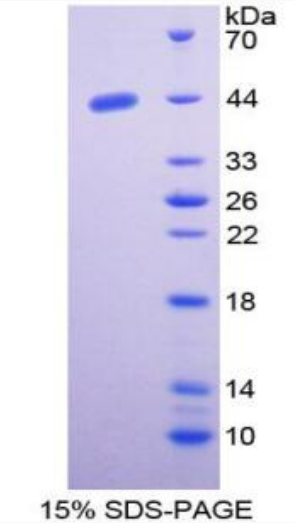
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

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;

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Gene ID	11188
mRNA Refseq	NM_007184
Protein Refseq	NP_009115
UniProt ID	Q9Y2I1



15% SDS-PAGE

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