

Recombinant Human RAI2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RAI2-4454H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAI2 MS Standard C13 and N15-labeled recombinant protein (NP_068557) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Retinoic acid plays a critical role in development, cellular growth, and differentiation. The specific function of this retinoic acid-induced gene has not yet been determined but it may play a role in development. The chromosomal location of this gene designates it to be a candidate for diseases such as Nance-Horan syndrome, sensorineural deafness, non-specific X-linked cognitive disability, oral-facial-digital syndrome, and Fried syndrome. Alternate splicing results in multiple transcript variants.
Molecular Mass	57.2 kDa
AA Sequence	MDDLQSQNLSDMTDSPPALANNRLENGMAQLITTEAWNINSTDLVKKALVTVAP SILNPPAESQSGMALKVAATVLQPLCLGESPVVMPIHMQVEGSSAPELNPNNGNATY VMTTQGPVQLPVVLEQHVLFQHLNSPLVLPQEAPCSSSTIHNNLFQGAEDPEAQPQL LDLRIPSQPQEPTLPFEAVLQNLFPSQGTGPPPCQPPPGYAPVPPQPFSSPLSPLV PPATLLVPYPVIVPLPVPVPIPIPIVVPQSSSESKFSSSFPPKPPSSFGLHPFKGTQTPLE KDELKPFILQPKKEYFQLSRHTVIKMGSENEALDLSMKSVPWLKAGEVSPPIFQEDA

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PLDLSVAAHRKSEPPPETLYDSGASVDSSGHTVMEKLP SGMEISFAPATSHEAPAM
 MD SHISSSDAATEMLSQPNHPSGEVKAENNIEMVGESQAAKVIVSVEDAVPTIFCGKI
 KGLSGVSTKNFSFKREDSVLQGYDINSQGEESMGNAEPLRKPIKNRSIKLKKVNSQE
 IHMLPIKKQRLATFFPRKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RAI2 retinoic acid induced 2 [Homo sapiens (human)]

Official Symbol RAI2

Synonyms RAI2; retinoic acid induced 2; retinoic acid-induced protein 2;

Gene ID 10742

mRNA Refseq NM_021785

Protein Refseq NP_068557

MIM 300217

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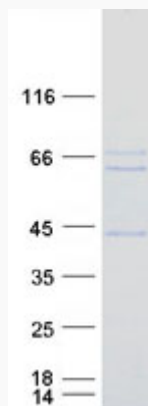
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UniProt ID

Q9Y5P3

SDS-PAGE

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