

Product datasheet for PH306638

RAI2 (NM_021785) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAI2 MS Standard C13 and N15-labeled recombinant protein (NP_068557)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206638
Predicted MW:	57.2 kDa
Protein Sequence:	>RC206638 protein sequence Red=Cloning site Green=Tags(s)

MDDLQSQNL SMDMTD SPPALANNRLENGMAQLITTEAWNINSTDLVKKALVTVPA PAPSILNPPAESQSGMA
LKVAATV LQPLCLGESPVVMP IHMQVEGSSAPELNPNGNATYVMTTQGPVQLPVVLEQHV FQHLNSPLVL
PQEAPCSSSTIHNLFQGAEDPEAQPQLDLRIPSQPQEPTLPFEAVLQNLFPSQGT LGPPPCQPPPGYA
PVPPQPFSSPLSPLVPPATLLVPYPVIVPLPVPVPIPIPIPVPPQSSSEKFS SSSFPKPPSSFGLHPFKGTQ
TPLEKDELKPFDILQPKEYFQLSRHTVIKMGSENEALDL SMKSVPLWKAGEVSPPIFQEDAPLDLSVA AH
RKSEPPPETLYDSGASVDSSGHTVMEKLP SGMEISFAPATSHEAPAMMDSHIS SSSDAATEMLSQPNHPSG
EVKAENNIEMVGESQA AKVIVSVEDAVPTIFCGKIKGLSGVSTKNFSFKREDSVLQGYDINSQGEESMG N
AEPLRKP IKNRSIKLKKVNSQEIHMLPIKKQLRATFFPRK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

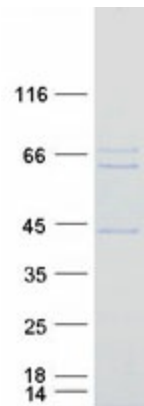
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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_068557</u>
RefSeq Size:	2229
RefSeq ORF:	1590



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Locus ID:	10742
UniProt ID:	Q9Y5P3 , A0A024RBZ8 , B3KPD7 , B2RBE9
Cytogenetics:	Xp22.13
Summary:	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. [provided by RefSeq, Feb 2010]

Product images:



Coomassie blue staining of purified RAI2 protein (Cat# [TP306638]). The protein was produced from HEK293T cells transfected with RAI2 cDNA clone (Cat# [RC206638]) using MegaTran 2.0 (Cat# [TT210002]).