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Product datasheet for PH305069

SH2D1B (NM_053282) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SH2D1B MS Standard C13 and N15-labeled recombinant protein (NP_444512)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205069
Predicted MW:	15.3 kDa
Protein Sequence:	>RC205069 protein sequence Red=Cloning site Green=Tags(s) MDLPYYHGRLTKQDCETLLLKEGVDGNFLLRDSESIPGVLCLCVSFKNIVYTYRIFREKHGYYRIQTAEG SPKQVFPSLKELISKFEKPNQGMVVHLLKPIKRTSPSLRWRGLKLELETFVNSNSDYVDVLP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_444512
RefSeq Size:	2553
RefSeq ORF:	396
Synonyms:	EAT2
Locus ID:	117157
UniProt ID:	O14796
Cytogenetics:	1q23.3

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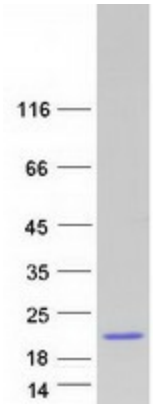
Summary: By binding phosphotyrosines through its free SRC (MIM 190090) homology-2 (SH2) domain, EAT2 regulates signal transduction through receptors expressed on the surface of antigen-presenting cells (Morra et al., 2001 [PubMed 11689425]).[supplied by OMIM, Mar 2008]

Protein Pathways: Natural killer cell mediated cytotoxicity

Product images:



Coomassie blue staining of purified SH2D1B protein (Cat# [TP305069]). The protein was produced from HEK293T cells transfected with SH2D1B cDNA clone (Cat# [RC205069]) using MegaTran 2.0 (Cat# [TT210002]).