

Product datasheet for PH300404

Ezrin (EZR) (NM_003379) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EZR MS Standard C13 and N15-labeled recombinant protein (NP_003370)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200404
Predicted MW:	69.4 kDa
Protein Sequence:	>RC200404 protein sequence Red=Cloning site Green=Tags(s)

MPKPINVRVTTMDAELEFAIQPNTTGKQLFDQVVKITIGLREVWYFGLHYVDNKGFPPTWLKLDKKVSAQEV
RKENPLQFKFRAKFYPEDVAEELIQDITQKLFLLQVKEGILSDEIYCPPETAVLLGSAVQAKFGDYNKE
VHKSGYLSSERLIPQRVMDQHKLTRDQWEDRIQVWHAHRGMLKDNAMLEYLKIAQDLEMYGINYFEIKN
KKGTDLWLGVDALGLNIYEKDDKLTPIGFPWSEIRNISFNDKKFVIKPIDKKAPDFVFYAPRLRINKRI
LQLCMGNHEL YMRRRKPDTEVQQMKAQAREEKHQKQLERQQLETEKKRRETVEREKEQMMREKEELMLR
LQDYEEKTKKAERELSEIQRALQLEEERKRAQEEAERLEADRMAALRAKEELERQAVDQIKSQEQLAAE
LAEYTAKIALLEEARRRKEDEVEEWQHRAKEAQDDL VKTKEELHLVMTAPPPPPPVYEPVSYHVQESLQ
DEGAEPTGYSAELSSEGI RDDRNEEKRI TEAEKNERVQRQLL TLSSELSQARDENKRTHNDI IHNENMRQ
GRDKYKTLRQIRQGNTKQRIDEFEAL

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- 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:	<u>NP_003370</u>
RefSeq Size:	3172
RefSeq ORF:	1758



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Synonyms: CVIL; CVL; HEL-S-105; VIL2

Locus ID: 7430

UniProt ID: [P15311](#)

Cytogenetics: 6q25.3

Summary: The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been described for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified EZR protein (Cat# [TP300404]). The protein was produced from HEK293T cells transfected with EZR cDNA clone (Cat# [RC200404]) using MegaTran 2.0 (Cat# [TT210002]).