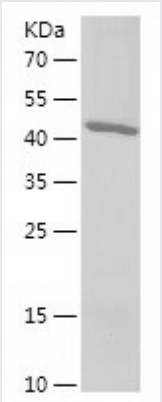
ERBIN Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	ERBIN, Recombinant Protein
Full Product Name	Recombinant Human ERBIN
Product Gene Name	ERBIN recombinant protein
Product Synonym Names	Densin 180 like protein; erbb2 interacting protein; ERBB2IP; ERBIN; KIAA1225; LAP2; Protein LAP2
Host	E Coli
Form/Format	Lyophilized from a 0.2 um filtered solution in 10 mM Hepes, 500 mM NaCl with 5% trehalose and 0.06% proclin, pH7.4
Purity/Purification	Greater than 90% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	153,543 Da
Sequence Positions	1230-1412
OMIM	606944
3D Structure	ModBase 3D Structure for Q96RT1
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000 rpm for 1 minute, reconstitute at 200 ug/ml in sterile distilled water by gentle pipetting 2-3 times, don't vortex
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for ERBIN recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for ERBIN recombinant protein	MBS7615975 is a recombinant protein targeting ERBIN. Also known as Recombinant Human ERBIN. Host: E Coli.
Other Notes	Small volumes of ERBIN recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of ERBIN recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERBIN. It may not necessarily be applicable to this product.

NCBI GI #	8923909
NCBI GeneID	55914
NCBI Accession #	NP_061165.1
UniProt Primary Accession #	Q96RT1
UniProt Secondary Accession #	Q1RMD0; Q86W38; Q9NR18; Q9NW48; Q9ULJ5; A0AVR1; B4E3F1; B7ZLV9; E7EQW9; E9PCR8
UniProt Related Accession #	Q96RT1
GenBank Nucleotide #	NM_018695.3
NCBI Official Full Name	protein LAP2 isoform 2
NCBI Official Synonym Full Names	erbb2 interacting protein
NCBI Official Symbol	ERBB2IP
NCBI Official Synonym Symbols	LAP2; ERBIN; HEL-S-78
UniProt Protein Name	Protein LAP2
UniProt Synonym Protein Names	Densin-180-like protein; Erbb2-interacting protein; Erbin
Protein Family	Erbin
UniProt Gene Name	ERBB2IP
UniProt Synonym Gene Names	ERBIN; KIAA1225; LAP2; Erbin
UniProt Entry Name	LAP2_HUMAN
NCBI Protein Information	protein LAP2; densin-180-like protein; epididymis secretory protein Li 78
NCBI Summary for ERBIN	This gene is a member of the leucine-rich repeat and PDZ domain (LAP) family. The encoded protein contains 17 leucine-rich repeats and one PDZ domain. It binds to the unphosphorylated form of the ERBB2 protein and regulates ERBB2 function and localization. It has also been shown to affect the Ras signaling pathway by disrupting Ras-Raf interaction. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

UniProt Comments for ERBIN	Erbin: Acts as an adapter for the receptor ERBB2, in epithelia. By binding the unphosphorylated 'Tyr-1248' of receptor ERBB2, it may contribute to stabilize this unphosphorylated state. Belongs to the LAP (LRR and PDZ) protein family. 7 isoforms of the human protein are produced by alternative splicing. Protein type: Cell adhesion Chromosomal Location of Human Ortholog: 5q12.3 Cellular Component: nucleoplasm; nuclear membrane; hemidesmosome; cytoplasm; basal plasma membrane; plasma membrane; basement membrane; cell junction; nucleus Molecular Function: integrin binding; ErbB-2 class receptor binding; protein binding; structural constituent of cytoskeleton Biological Process: integrin-mediated signaling pathway; establishment and/or maintenance of epithelial cell polarity; epidermal growth factor receptor signaling pathway; basal protein localization; intermediate filament cytoskeleton organization and biogenesis; cell adhesion; cell growth; signal transduction; cell cycle; protein targeting
Research Articles on ERBIN	**1.** Data suggest that Erbin can interact with Sema4C, and co-expression of Erbin blocks the process of Sema4C-induced epithelial-mesenchymal transition.
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