

Talin-2 Recombinant Protein | TLN2 recombinant protein

Recombinant Human Talin-2

CATALOG # AAA117325	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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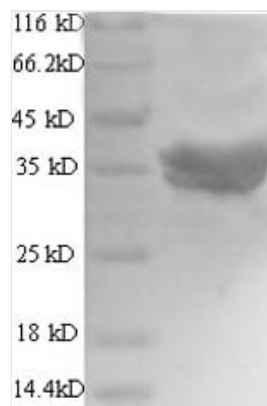
PRODUCT SYNONYMS

Talin-2; Recombinant Human Talin-2; TLN2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	88-406aa; Full Length
Sequence	RPQKIRMLDG SVKTVMVDDS KTVGELLVTI CSRIGITNYE EYSLIQETIE EKKEEGTGTLL KKDRTLLRDE RKMEKLKAKL HTDDDLNWLD HSRTFREQGV DENETLLRR KFFYSDQNVD SRDPVQLNLL YVQARDDILN GSHPVSEKA CEFGGFQAQI QFGPHVEHKH KPGFLDLKEF LPKEYIKQRG AEKRIFQEHK NCGEMSEIEA KVKYVKLARS LRTYGVSFFL VKEKMGKGNK LVPRLLGITK DSVMRVDEKT KEVLQEWPLT TVKRWAASPK SFTLDFGEYQ ESYYSVQTTE GEQISQLIAG YIDIILKKK
Sequence Length	2542
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TLN2 recombinant protein	As a major component of focal adhesion plaques that links integrin to the actin cytoskeleton, may play an important role in cell adhesion. Recruits PIP5K1C to focal adhesion plaques and strongly activates its kinase activity.
Product Categories/Family for TLN2 recombinant protein	Signal Transduction

References	Recruitment and regulation of phosphatidylinositol phosphate kinase type 1 gamma by the FERM domain of talin.Di Paolo G., Pellegrini L., Letinic K., Cestra G., Zoncu R., Voronov S., Chang S., Guo J., Wenk M.R., De Camilli P.Nature 420:85-89(2002) Analysis of the mammalian talin2 gene TLN2.Monkley S.J., Pritchard C.A., Critchley D.R.Biochem. Biophys. Res. Commun. 286:880-885(2001) Analysis of the DNA sequence and duplication history of human chromosome 15.Zody M.C., Garber M., Sharpe T., Young S.K., Rowen L., O'Neill K., Whittaker C.A., Kamal M., Chang J.L., Cuomo C.A., Dewar K., FitzGerald M.G., Kodira C.D., Madan A., Qin S., Yang X., Abbasi N., Abouelleil A., Arachchi H.M., Baradarani L., Birditt B., Bloom S., Bloom T., Borowsky M.L., Burke J., Butler J., Cook A., DeArellano K., DeCaprio D., Dorris L. III, Dors M., Eichler E.E., Engels R., Fahey J., Fleetwood P., Friedman C., Gearin G., Hall J.L., Hensley G., Johnson E., Jones C., Kamat A., Kaur A., Locke D.P., Madan A., Munson G., Jaffe D.B., Lui A., Macdonald P., Mauceli E., Naylor J.W., Nesbitt R., Nicol R., O'Leary S.B., Ratcliffe A., Rounsley S., She X., Sneddon K.M.B., Stewart S., Sougnez C., Stone S.M., Topham K., Vincent D., Wang S., Zimmer A.R., Birren B.W., Hood L., Lander E.S., Nusbaum C.Nature 440:671-675(2006) Prediction of the coding sequences of unidentified human genes. VII. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro.Nagase T., Ishikawa K., Nakajima D., Ohira M., Seki N., Miyajima N., Tanaka A., Kotani H., Nomura N., Ohara O.DNA Res. 4:141-150(1997) Construction of expression-ready cDNA clones for KIAA genes manual curation of 330 KIAA cDNA clones.Nakajima D., Okazaki N., Yamakawa H., Kikuno R., Ohara O., Nagase T.DNA Res. 9:99-106(2002) A probability-based approach for high-throughput protein phosphorylation analysis and site localization.Beausoleil S.A., Villen J., Gerber S.A., Rush J., Gygi S.P.Nat. Biotechnol. 24:1285-1292(2006) A quantitative atlas of mitotic phosphorylation.Dephoure N., Zhou C., Villen J., Beausoleil S.A., Bakalarski C.E., Elledge S.J., Gygi S.P.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008) Lys-N and trypsin cover complementary parts of the phosphoproteome in a refined SCX-based approach.Gauci S., Helbig A.O., Slijper M., Krijgsveld J., Heck A.J., Mohammed S.Anal. Chem. 81:4493-4501(2009) Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) System-wide temporal characterization of the proteome and phosphoproteome of human embryonic stem cell differentiation.Rigbolt K.T., Prokhorova T.A., Akimov V., Henningsen J., Johansen P.T., Kratchmarova I., Kassem M., Mann M., Olsen J.V., Blagoev B.Sci. Signal. 4:RS3-RS3(2011) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156938343
NCBI GeneID	83660
NCBI Accession #	NP_055874.2
NCBI GenBank Nucleotide #	NM_015059.2
UniProt Accession #	Q9Y4G6; A6NLB8
Molecular Weight	39.1 kDa
NCBI Official Full Name	talin-2
NCBI Official Synonym Full Names	talin 2
NCBI Official Symbol	TLN2
NCBI Official Synonym Symbols	ILWEQ
NCBI Protein Information	talin-2
UniProt Protein Name	Talin-2
UniProt Gene Name	TLN2
UniProt Synonym Gene Names	KIAA0320
UniProt Entry Name	TLN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.