

Dynamin-1 Recombinant Protein | DNM1 recombinant protein

Recombinant Human Dynamin-1

CATALOG # AAA114139	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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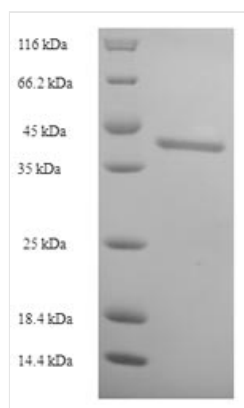
PRODUCT SYNONYMS

Dynamin-1; Recombinant Human Dynamin-1; DNM1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Liquid or Lyophilized powder If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8
Sequence Positions	2-245aa; Partial
Sequence	GNRGMEDLIP LVNRLQDAFS AIGQNADLDL PQIAVVGQS AGKSSVLENF VGRDFLPRGS GIVTRRPLVL QLVNATTEYA EFLHCKGKKF TDFEEVRLEI EAETDRVTGT NKGISPVPIN LRVYSPHVLN LTLVDLPGMT KVPVGDQPPD IEFQIRDMLM QFVTKENCLI LAVSPANS DL ANSDALKVAK EVDPQGQRTI GVITKDLMD EGTDARDVLE NKLLPLRRGY IGVVNRSQKD IDGK
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 DNM1 recombinant protein	Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes. Involved in receptor-mediated endocytosis.
Product Categories/Family for DNM1 recombinant protein	Neuroscience

References

Mutations in human dynamin block an intermediate stage in coated vesicle formation.van der Bliek A.M., Redelmeier T.E., Tisdale E.J., Meyerowitz E.M., Schmid S.L.J. Cell Biol. 122:553-563(1993) DNA sequence and analysis of human chromosome 9.Humphray S.J., Oliver K., Hunt A.R., Plumb R.W., Loveland J.E., Howe K.L., Andrews T.D., Searle S., Hunt S.E., Scott C.E., Jones M.C., Ainscough R., Almeida J.P., Ambrose K.D., Ashwell R.I.S., Babbage A.K., Babbage S., Bagguley C.L., Bailey J., Banerjee R., Barker D.J., Barlow K.F., Bates K., Beasley H., Beasley O., Bird C.P., Bray-Allen S., Brown A.J., Brown J.Y., Burford D., Burrill W., Burton J., Carder C., Carter N.P., Chapman J.C., Chen Y., Clarke G., Clark S.Y., Clee C.M., Clegg S., Collier R.E., Corby N., Crosier M., Cummings A.T., Davies J., Dhami P., Dunn M., Dutta I., Dyer L.W., Earthrowl M.E., Faulkner L., Fleming C.J., Frankish A., Frankland J.A., French L., Fricker D.G., Garner P., Garnett J., Ghori J., Gilbert J.G.R., Glison C., Grafham D.V., Gribble S., Griffiths C., Griffiths-Jones S., Grocock R., Guy J., Hall R.E., Hammond S., Harley J.L., Harrison E.S.I., Hart E.A., Heath P.D., Henderson C.D., Hopkins B.L., Howard P.J., Howden P.J., Huckle E., Johnson C., Johnson D., Joy A.A., Kay M., Keenan S., Kershaw J.K., Kimberley A.M., King A., Knights A., Laird G.K., Langford C., Lawlor S., Leongamornlert D.A., Leversha M., Lloyd C., Lloyd D.M., Lovell J., Martin S., Mashreghi-Mohammadi M., Matthews L., McLaren S., McLay K.E., McMurray A., Milne S., Nickerson T., Nisbett J., Nordsiek G., Pearce A.V., Peck A.I., Porter K.M., Pandian R., Pelan S., Phillimore B., Povey S., Ramsey Y., Rand V., Scharfe M., Sehra H.K., Shownkeen R., Sims S.K., Skuce C.D., Smith M., Steward C.A., Swarbreck D., Sycamore N., Tester J., Thorpe A., Tracey A., Tromans A., Thomas D.W., Wall M., Wallis J.M., West A.P., Whitehead S.L., Willey D.L., Williams S.A., Wilming L., Wray P.W., Young L., Ashurst J.L., Coulson A., Blocker H., Durbin R.M., Sulston J.E., Hubbard T., Jackson M.J., Bentley D.R., Beck S., Rogers J., Dunham I.Nature 429:369-374(2004) SNX9 regulates dynamin assembly and is required for efficient clathrin-mediated endocytosis.Soulet F., Yarar D., Leonard M., Schmid S.L.Mol. Biol. Cell 16:2058-2067(2005) Global, in vivo, and site-specific phosphorylation dynamics in signaling networks.Olsen J.V., Blagoev B., Gnäd F., Macek B., Kumar C., Mortensen P., Mann M.Cell 127:635-648(2006) Myosin 1E interacts with synaptojanin-1 and dynamin and is involved in endocytosis.Krendel M., Osterweil E.K., Mooseker M.S.FEBS Lett. 581:644-650(2007) A novel sorting nexin modulates endocytic trafficking and alpha-secretase cleavage of the amyloid precursor protein.Schobel S., Neumann S., Hertweck M., Dislich B., Kuhn P.H., Kremmer E., Seed B., Baumeister R., Haass C., Lichtenthaler S.F.J. Biol. Chem. 283:14257-14268(2008) Phosphoproteome of resting human platelets.Zahedi R.P., Lewandrowski U., Wiesner J., Wortelkamp S., Moebius J., Schuetz C., Walter U., Gambaryan S., Sickmann A.J. Proteome Res. 7:526-534(2008) 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) Three-dimensional solution structure of the pleckstrin homology domain from dynamin.Downing A.K., Driscoll P.C., Gout I., Salim K., Zvelebil M.J., Waterfield M.D.Curr. Biol. 4:884-891(1994) Crystal structure at 2.2-A resolution of the pleckstrin homology domain from human dynamin.Ferguson K.M., Lemmon M.A., Schlessinger J., Sigler P.B.Cell 79:199-209(1994) Crystal structure of the pleckstrin homology domain from dynamin.Timm D., Salim K., Gout I., Guruprasad L., Waterfield M., Blundell T.Nat. Struct. Biol. 1:782-788(1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	56549117
NCBI GeneID	1759
NCBI Accession #	NP_001005336.1
NCBI GenBank Nucleotide #	NM_001005336.2
UniProt Accession #	Q05193; Q5SYX0; Q5SYX2; Q6P3T6; Q86VD2; A6NLM6
Molecular Weight	28.7 kDa
NCBI Official Full Name	dynamin-1 isoform 2
NCBI Official Synonym Full Names	dynamin 1
NCBI Official Symbol	DNM1
NCBI Official Synonym Symbols	DNM; EIEE31
NCBI Protein Information	dynamin-1
UniProt Protein Name	Dynamin-1
UniProt Gene Name	DNM1
UniProt Synonym Gene Names	DNM

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.

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Online datasheet: <https://www.aaabiotech.com/dnm1-recombinant-protein-e-coli/114139>