

Rab proteins geranylgeranyltransferase component A 1 Recombinant Protein | CHM recombinant protein

Recombinant Human Rab proteins geranylgeranyltransferase component A 1

CATALOG # AAA113679	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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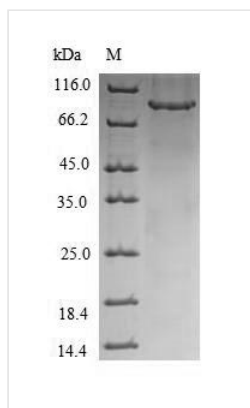
PRODUCT SYNONYMS

Rab proteins geranylgeranyltransferase component A 1; Recombinant Human Rab proteins geranylgeranyltransferase component A 1; Choroideremia protein; Rab escort protein 1; REP-1; TCD protein; CHM 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	1-653aa; Full Length Protein of Isoform 1
Sequence	MADTLPSEFD VIVIGTGLPE SIIAAACSRS GRRVLHVDSR SYYGGNWASF SFGLLSWLK EYQENS DIVS DSPVWQDQIL ENEEAIALSR KDKTIQHVEV FCYASQDLHE DVEEAGALQK NHALVTSANS TEAADS AFLP TEDESLSTMS CEMLTEQTPS SDPENALEVN GAEVTGEKEN HCDDKTCVPS TSAEDMSENV PIAEDTTEQP KKNRITYSQI IKEGRRFNID LVSKLLYSRG LLIDLLIKSN VSRYA EFKN I TRILAFREGR VEQVPCSRAD VFNSKQLTMV EKRLMLMKFLT FCMEYEKYPD EYKGYEEITF YEYLKTQKLT PNLQYIVMHS IAMTSETASS TIDGLKATKN FLHCLGRYGN TPFLFPLYGQ GELPQCFCRM CAVFGGIYCL RHSVQCLVVD KESRKCKAII DQFGQRIISE HFLVEDSYFP ENMCSRQYR QISR AVLTD RSVLKTDSQ QISILTPAE EPGTFAVRVI ELCSSTMTCM KGTYLVHLTC TSSKTAREDL ESVVQKLFVP YTEMEIENEQ VEKPRILWAL YFNMRDSSDI SRSCYNDLPS NVYVCSGPDC GLGNDNAV KQ AETLFQEICP NEDFCPPPPN PEDIILDGDS LQPEASESSA IPEANSETFK ESTNLGNLEE SSE
Species	Homo sapiens (Human)
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 CHM recombinant protein	Substrate-binding subunit of the Rab geranylgeranyltransferase (GGTase) complex. Binds unprenylated Rab proteins and presents the substrate peptide to the catalytic component B composed of RABGGTA and RABGGTB, and remains bound to it after the geranylgeranyl transfer reaction. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Besides, a pre-formed complex consisting of CHM and the Rab GGTase dimer (RGGT or component B) can bind to and prenylate Rab proteins; this alternative pathway is proposed to be the predominant pathway for Rab protein geranylgeranylation.
Product Categories/Family for CHM recombinant protein	Neuroscience
References	"Cloning and characterization of the human choroideremia gene." van Bokhoven H., van den Hurk J.A., Bogerd L., Philippe C., Gilgenkrantz S., de Jong P., Ropers H.-H., Cremers F.P. Hum. Mol. Genet. 3:1041-1046(1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	9966761
NCBI GeneID	1121
NCBI Accession #	NP_000381.1
NCBI GenBank Nucleotide #	NM_000390.2
UniProt Accession #	P24386; O43732; A1L4D2
Molecular Weight	77.5 kDa
NCBI Official Full Name	rab proteins geranylgeranyltransferase component A 1 isoform a
NCBI Official Synonym Full Names	choroideremia (Rab escort protein 1)
NCBI Official Symbol	CHM
NCBI Official Synonym Symbols	TCD; GGTA; REP-1; DXS540; HSD-32
NCBI Protein Information	rab proteins geranylgeranyltransferase component A 1
UniProt Protein Name	Rab proteins geranylgeranyltransferase component A 1
UniProt Gene Name	CHM
UniProt Synonym Gene Names	REP1; TCD; REP-1
UniProt Entry Name	RAE1_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.