

Unconventional myosin-VIIa (MYO7A), partial Recombinant Protein | MYO7A recombinant protein

Recombinant Human Unconventional myosin-VIIa (MYO7A), partial

CATALOG # AAA117201	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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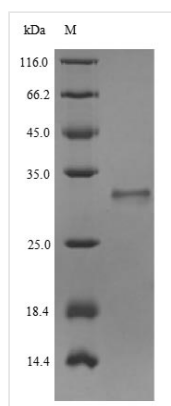
PRODUCT SYNONYMS

Unconventional myosin-VIIa (MYO7A); partial; Recombinant Human Unconventional myosin-VIIa (MYO7A); Unconventional myosin-VIIa; MYO7A 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	838-968aa; Partial
Sequence	WAVLTVQAYA RGMIAARRLHQ RLRAEYLWRL EAEKMRLAEE EKLRKEMSAK KAKEEAERKH QERLAQLARE DAERELKEKE AARRKKELLE QMERARHEPV NHSDMVDKMF GFLGTSGGLP GQEGQAPSGF E
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MYO7A recombinant protein	Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails bind to membranous compartments, which are then moved relative to actin filaments. In the retina, plays an important role in the renewal of the outer photoreceptor disks. Plays an important role in the distribution and migration of retinal pigment epithelial (RPE) melanosomes and phagosomes, and in the regulation of opsin transport in retinal photoreceptors. In the inner ear, plays an important role in differentiation, morphogenesis and organization of cochlear hair cell bundles. Involved in hair-cell vesicle trafficking of aminoglycosides, which are known to induce ototoxicity (By similarity). Motor protein that is a part of the functional network formed by USH1C, USH1G, CDH23 and MYO7A that mediates mechanotransduction in cochlear hair cells. Required for normal hearing.
Product Categories/Family for MYO7A recombinant protein	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	189083798
NCBI GeneID	4647
NCBI Accession #	NP_000251.3
NCBI GenBank Nucleotide #	NM_000260.3
UniProt Accession #	Q13402; P78427; Q13321; Q14785; Q92821; Q92822; B9A011; F8VUN5
Molecular Weight	31.3 kDa
NCBI Official Full Name	unconventional myosin-VIIa isoform 1
NCBI Official Synonym Full Names	myosin VIIA
NCBI Official Symbol	MYO7A
NCBI Official Synonym Symbols	DFNB2; MYU7A; NSRD2; USH1B; DFNA11; MYOVIIA
NCBI Protein Information	unconventional myosin-VIIa; myosin VIIA (Usher syndrome 1B (autosomal recessive, severe))
UniProt Protein Name	Unconventional myosin-VIIa
UniProt Gene Name	MYO7A
UniProt Synonym Gene Names	USH1B
UniProt Entry Name	MYO7A_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.