



# Recombinant Human Myosin-9 (MYH9), partial

<b>Product Code</b>	CSB-YP015303HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P35579
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AQQAADKYLYVDKNFINNPLAQADWAAKLVWVPSDKSGFEPASLKEEVGEE AIVELVENGKKVKVNKDDIQKMNPPKFSKVEDMAELTCLNEASVLHNLKERY SGLIYTYSGLFCVINPYKNLPIYSEEIVEMYKGGKRHEMPPHIYAITDTAYRSM MQDREDQSILCTGESGAGKTENTKKVIQYLAYVASSHKSKKDQGELERQLLQA NPILEAFGNAKTVKNDNSSRFGKFIRI
<b>Source</b>	Yeast
<b>Target Names</b>	MYH9
<b>Protein Names</b>	Recommended name: Myosin-9 Alternative name(s): Cellular myosin heavy chain, type A Myosin heavy chain 9 Myosin heavy chain, non-muscle IIA Non-muscle myosin heavy chain A Short name= NMMHC-A Non-muscle myosin heavy chain II
<b>Expression Region</b>	2-241
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	partial
<b>Target Details</b>	This gene encodes a myosin IIA heavy chain that contains an IQ domain and a myosin head-like domain. The protein is involved in several important functions, including cytokinesis, cell motility and maintenance of cell shape. Defects in MYH9 are the cause of non-syndromic sensorineural deafness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytopenia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sensorineural deafness.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.