Recombinant Human Laforin (EPM2A)

Product Code	CSB-MP007738HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O95278
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MRFRFGVVVP PAVAGARPEL LVVGSRPELG RWEPRGAVRL RPAGTAAGDG ALALQEPGLW LGEVELAAEE AAQDGAEPGR VDTFWYKFLK REPGGELSWE GNGPHHDRCC TYNENNLVDG VYCLPIGHWI EATGHTNEMK HTTDFYFNIA GHQAMHYSRI LPNIWLGSCP RQVEHVTIKL KHELGITAVM NFQTEWDIVQ NSSGCNRYPE PMTPDTMIKL YREEGLAYIW MPTPDMSTEG RVQMLPQAVC LLHALLEKGH IVYVHCNAGV GRSTAAVCGW LQYVMGWNLR KVQYFLMAKR PAVYIDEEAL ARAQEDFFQK FGKVRSSVCS L
Source	Mammalian cell
Target Names	EPM2A
Protein Names	Recommended name: Laforin EC= 3.1.3.16 EC= 3.1.3.48 Alternative name(s): Lafora PTPase Short name= LAFPTPase
Expression Region	1-331
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a dual-specificity phosphatase that associates with polyribosomes. The encoded protein may be involved in the regulation of glycogen metabolism. Mutations in this gene have been associated with myoclonic epilepsy of Lafora. Alternative splicing results in multiple transcript variants.
Reconstitution	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.
Shelf Life	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.