

Recombinant Human EMD

Cat. No. EMD-28289TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Emerin with proprietary tag. Mol Wt 54.01
Species	Human
Source	Wheat Germ
ProteinLength	254 amino acids
Description	Emerin is a serine-rich nuclear membrane protein and a member of the nuclear lamina-associated protein family. It mediates membrane anchorage to the cytoskeleton. Dreifuss-Emery muscular dystrophy is an X-linked inherited degenerative myopathy resulting from mutation in the emerin gene.
Molecular Weight	54.010kDa inclusive of tags
Tissue specificity	Skeletal muscle, heart, colon, testis, ovary and pancreas.
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione Note: Reduced glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Contains 1 LEM domain.
GENE INFORMATION	
Gene Name	EMD emerin [Homo sapiens]
Official Symbol	EMD
Synonyms	EMD; emerin; Emery Dreifuss muscular dystrophy; LEM domain containing 5; LEMD5; STA;
Gene ID	2010
mRNA Refseq	NM_000117
Protein Refseq	NP_000108
MIM	300384
Uniprot ID	P50402
Chromosome Location	Xq27.3-q28
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; Hypertrophic cardiomyopathy (HCM),

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organism-specific biosystem;

Function

actin binding; beta-tubulin binding; protein binding;

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