

## Recombinant Human DMD Protein, DYKDDDDK-tagged

Cat. No. DMD-36H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant protein from the full-length sequence of Homo sapiens dystrophin (DMD), transcript variant Dp140b (NM_004021), with a DYKDDDDK tag was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	This gene spans a genomic range of greater than 2 Mb and encodes a large protein containing an N-terminal actin-binding domain and multiple spectrin repeats. The encoded protein forms a component of the dystrophin-glycoprotein complex (DGC), which bridges the inner cytoskeleton and the extracellular matrix. Deletions, duplications, and point mutations at this gene locus may cause Duchenne muscular dystrophy (DMD), Becker muscular dystrophy (BMD), or cardiomyopathy. Alternative promoter usage and alternative splicing result in numerous distinct transcript variants and protein isoforms for this gene.
<b>Molecular Mass</b>	143 kDa
<b>Endotoxin</b>	< 0.1 ng/ µg of protein (< 1 EU/ µg)
<b>Purity</b>	> 90% by SDS-PAGE gel and Coomassie Blue staining
<b>Applications</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!

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**Storage Buffer** Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives

## GENE INFORMATION

**Gene Name** DMD dystrophin [ Homo sapiens (human) ]

**Official Symbol** DMD dystrophin [ Homo sapiens (human) ]

**Synonyms** DMD; dystrophin; BMD; CMD3B; MRX85; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; dystrophin; mutant dystrophin; truncated dystrophin

**Gene ID** 1756

**mRNA Refseq** NM\_004021

**Protein Refseq** NP\_004012

**MIM** 300377

**UniProt ID** P11532

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