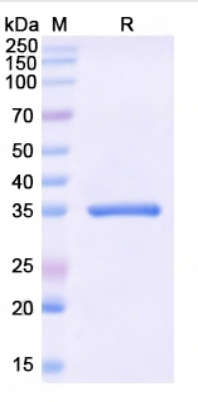
FLII Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	FLII, Recombinant Protein
Full Product Name	Recombinant Human FLII, N-His
Product Gene Name	FLII recombinant protein
Product Synonym Names	FLIL; Protein flightless-1 homolog; FLII
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	143,652 Da
Sequence Positions	Leu896-Phe1176
OMIM	600362
3D Structure	ModBase 3D Structure for Q13045
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for FLII recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for FLII recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for FLII recombinant protein	MBS1574578 is a recombinant protein targeting FLII. Also known as Recombinant Human FLII, N-His. Host: E coli.
Other Notes	Small volumes of FLII recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of FLII recombinant protein
SDS PAGE for recombinant Human FLII protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FLII. It may not necessarily be applicable to this product.

NCBI GI #	4503743
NCBI GeneID	2314
NCBI Accession #	NP_002009.1
UniProt Primary Accession #	Q13045
UniProt Secondary Accession #	B4DIL0; F5H407; J3QLG3
UniProt Related Accession #	Q13045
GenBank Nucleotide #	NM_002018.3
NCBI Official Full Name	protein flightless-1 homolog isoform 1
NCBI Official Synonym Full Names	flightless I homolog (Drosophila)
NCBI Official Symbol	FLII
NCBI Official Synonym Symbols	FLI; FLIL; Fli1
UniProt Protein Name	Protein flightless-1 homolog
Protein Family	Flagellum-specific ATP synthase
UniProt Gene Name	FLII
UniProt Synonym Gene Names	FLIL
UniProt Entry Name	FLII_HUMAN
NCBI Protein Information	protein flightless-1 homolog
NCBI Summary for FLII	This gene encodes a protein with a gelsolin-like actin binding domain and an N-terminal leucine-rich repeat-protein protein interaction domain. The protein is similar to a Drosophila protein involved in early embryogenesis and the structural organization of indirect flight muscle. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

UniProt Comments for FLII	FLI: May play a role as coactivator in transcriptional activation by hormone-activated nuclear receptors (NR) and acts in cooperation with NCOA2 and CARM1. Involved in estrogen hormone signaling. Involved in early embryonic development. May play a role in regulation of cytoskeletal rearrangements involved in cytokinesis and cell migration. Deletion of the FLII gene may be a cause of Smith-Magenis syndrome (SMS). It is a contiguous gene deletion syndrome involving developmental abnormalities and mental retardation. The spectrum of clinical findings includes short stature, brachydactyly, developmental delay, dysmorphic features, sleep disturbances, and behavioral problems. Protein type: Nuclear receptor co-regulator; Actin-binding Chromosomal Location of Human Ortholog: 17p11.2 Cellular Component: nucleoplasm; focal adhesion; cytoplasm; microtubule organizing center Molecular Function: protein binding; actin binding Biological Process: actin filament severing; muscle contraction; transcription, DNA-dependent; regulation of transcription, DNA-dependent; multicellular organismal development; actin cytoskeleton organization and biogenesis Disease: Smith-magenis Syndrome
Research Articles on FLII	**1.** These data suggest FLII as a key regulator of ERalpha-mediated transcription through its role in regulating chromatin accessibility for the binding of RNA Polymerase II and possibly other transcriptional coactivators.
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