

Recombinant Human NOMO2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NOMO2-3878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NOMO2 MS Standard C13 and N15-labeled recombinant protein (NP_775885) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein originally thought to be related to the collagenase gene family. This gene is one of three highly similar genes in a region of duplication located on the p arm of chromosome 16. These three genes encode closely related proteins that may have the same function. The protein encoded by one of these genes has been identified as part of a protein complex that participates in the Nodal signaling pathway during vertebrate development. Mutations in ABCC6, which is located nearby, rather than mutations in this gene are associated with pseudoxanthoma elasticum (PXE). Two transcripts encoding different isoforms have been described.
Molecular Mass	134 kDa
AA Sequence	MLVGQGAGLLGPAVVTAADVLLLSGVGPAHGSEDIVVGCGGFVKSDVEINYSLEIKL YTKHGTLKYQTDCAPNNGYFMIPLYDKGDFILKIEPPLGWSFEPTTVELHVDGVSDIC TKGGDINFTVFTGFSVNGKVLSKGQPLGPAGVQVSLRNTGTEAKIQSTVTQPGGKFA FFKVLPGDYEILATHPTWALKEASTTVRVNTNSNANAASPLIVAGYNVSGSVRSRGEP MKGVKFLLFSSLVTKEDVLGCNVSPVPGFQPQDESLVYLCYTVSREDGSFSFYSLP

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SGGYTVIPFYRGERITFDVAPSRLDFTVEHDSLKIEPVFHVMGFSVTGRVLNGPEGD
 GVPEAVVTLNNQIKVKTADGSFRLENITTGTytiHAQKEHLYFETVTIKIAPNTPQLA
 DIVATGFSVCGRISIIRFPDTVQMNKYKVVLSQDKDKSLVTVETDAHGSFCFKAKP
 GTYKVQVMVPEAETRAGLTLKPQTFPLTVTDRPVMDFVAFVQFLASVSGKVSCLDTC
 GDLLVTLQSLSRQGEKRSLLSGKVNAMTFTFDNVLPGKYKISIMHEDWCWKNKSL
 EVEVLEDDVSAVEFRQTGYMLRCSLSHAITLEFYQDGNNGRENVGIYNLSKGVNRFCL
 SKPGVYKVTPRSCHRFEQAFYTYDTSSPSILTTLAIRHHVLGTITTDKMMDVTVTIKSS
 IDSEPALVLGPLKSVQELRREQQLAEIEARRQEREKNGNEEGEERMTKPPVQEMVD
 ELQGPFSYDFSYWARSGEKITVTPSSKELLFYPPSMEAVVSGESCPGKLEIHGKAG
 LFLEGQIHPELEGVEIVISEKGASSPLITVFTDDKGAYSVGPLHSDLEYTVTSQKEGYV
 LTAVEGTIGDFKAYALAGVSFEIKAEDDQPLPGVLLSLSGGLFRSNLLTQDNGILTFS
 NLSPGQYYFKPMMKEFRFEPSSQMIEVQEGQNLKITITGYRTAYSCYGTVSSLNGEP
 EQGVAMEAVGQNDCSIYGEDTVTDEEGKFRLRGLLPGCYVHVQLKAEGNDHIERAL
 PHHRVIEVGNNIDDDVNIIVFRQINQFDLSGNVITSSEYLPTLWVKLYKSENLDNPIQT
 VSLGQSLFFHFPPLLRDGENYVLLDSTLPRSQYDYILPQVSFTAVGYHKKHITLIFNPT
 RKLPEQDIAQGSYIALPLTLLVLLAGYNHDKLIPLLLQLTSRLQGVGALGQAASDNSG
 PEDAKRQAKKQKTRRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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Gene Name	NOMO2 NODAL modulator 2 [Homo sapiens (human)]
Official Symbol	NOMO2
Synonyms	NOMO2; PM5; Nomo; NODAL modulator 2; nodal modulator 2; pM5 protein 2; pM5 protein, centromeric copy
Gene ID	283820
mRNA Refseq	NM_173614
Protein Refseq	NP_775885
MIM	609158
UniProt ID	Q5JPE7
SDS-PAGE	