

Recombinant Human NOMO3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NOMO3-1656H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NOMO3 MS Standard C13 and N15-labeled recombinant protein (NP_001004067) 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 duplicated region on the short 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.
Molecular Mass	134 kDa
AA Sequence	MLVGQGAGLLGPAVVTAADVLLLSGVGPAHGSEDIVVGC GGFVKSDVEINYSLIEIKL YTKHGTLKYQTDCA PNNGYFMIPLYDKGDFILKIEPPLGWSFEPTTVELHVDGVSDIC TKGGDIN FVFTGFSVNGKVLSKGQPLGPAGVQVSLRNTGTEAKIQSTVTQPGGKFA FFKVLPGDYEILATHPTWALKEASTTVRVTNSNANAASPLIVAGYNVSGSVRS DGE P MKGVKFLLFSSLVT KEDVLGCNVSPVPGFQPQDESLVYLCYTVSREDGSFSFYSLP SGGYTVIPFYRGERITFDVAPSRLDFTVEHDSLKIEPVFHV MGF SVTGRVLNGPEGD

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GVPEAVVTLNNQIKVKTKADGSFRLENITTGTYTIHAQKEHLYFETVTIKIAPNTPQLA
 DIVATGFSVCGRISIIRFPDVKQMNKYKVVLSQDKDKSLVTVETDAHGSFCFKAKP
 GTYKVQVMVPEAETRAGLTLKPQTFPLTVDRPVMDFVQFLASVSGKVSCLDTC
 GDLLVTLQSLSRQGEKRSLSGKVNAMTFTFDNVLPGKYKISIMHEDWCWKNKSL
 EVEVLEDDVSAVEFRQTGYMLRCSLSHAITLEFYQDNGNRENVGIYNLSKGVNRFCL
 SKPGVYKVTTPRSCHRFEQAFYTYDTSSPSILTTLAIRHHVLGTITTDKMMDVTVTIKSS
 IDSEPALVLGPLKSVQELRREQQLAEIEARRQEREKNGNEEGEERMTKPPVQEMVD
 ELQGPFSYDFS YWARSGEKITVTPSSKELLFYPPSMEAVVSGESCPGKLIEIHGKAG
 LFLEGQIHPELEGVEIVISEKGASSPLITVFTDDKGAYSVGPLHSDLEYTVTSQKEGYV
 LTAVEGTIGDFKAYALAGVSFEIKAEDDQPLPGVLLSLSGGLFRSNLLTQDNGILTFS
 NLSPGQYYFKPMMKEFRFEPSSQMIEVQEGQNLKITITGYRTAYSCYGTVSSLNGEP
 EQGVAMEAVGQNDCSIYGEDTVTDEEGKFRLRGLLPGCVYHVQLKAEGNDHIERAL
 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

Gene Name	NOMO3 NODAL modulator 3 [Homo sapiens (human)]
Official Symbol	NOMO3
Synonyms	NOMO3; NODAL modulator 3; Nomo; nodal modulator 3; pM5 protein 3; pM5 protein, middle copy
Gene ID	408050
mRNA Refseq	NM_001004067
Protein Refseq	NP_001004067
MIM	609159
UniProt ID	P69849
SDS-PAGE	