

Recombinant Human LAMA3 Protein, His tagged

Cat. No. LAMA3-23H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human laminin, alpha 3 (LAMA3), transcript variant 2, Asp346-Leu639, with N-terminal HIS tag, expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	346-639 aa
Description	The protein encoded by this gene belongs to the laminin family of secreted molecules. Laminins are heterotrimeric molecules that consist of alpha, beta, and gamma subunits that assemble through a coiled-coil domain. Laminins are essential for formation and function of the basement membrane and have additional functions in regulating cell migration and mechanical signal transduction. This gene encodes an alpha subunit and is responsive to several epithelial-mesenchymal regulators including keratinocyte growth factor, epidermal growth factor and insulin-like growth factor. Mutations in this gene have been identified as the cause of Hertz type junctional epidermolysis bullosa and laryngoonychocutaneous syndrome. Alternative splicing and alternative promoter usage result in multiple transcript variants.
Form	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol
Molecular Mass	32.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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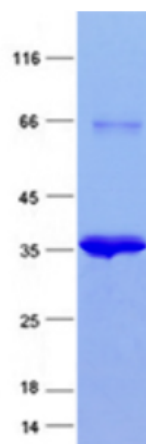
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 µg/µL as determined by microplate BCA method
GENE INFORMATION	
Gene Name	LAMA3 laminin subunit alpha 3 [Homo sapiens (human)]
Official Symbol	LAMA3
Synonyms	LAMA3; laminin subunit alpha 3; E170; LOCS; BM600; JEB2A; JEB2B; JEB2C; LAMNA; laminin subunit alpha-3; BM600 150kD subunit; LAM3, alpha-3 subunit; epiligrin 170 kda subunit; epiligrin alpha 3 subunit; kalinin 165kD subunit; kalinin subunit alpha; laminin 5, alpha-3 subunit; laminin A3; laminin, alpha 3 (nicein (150kD), kalinin (165kD), BM600 (150kD), epilegrin); laminin-5 alpha 3 chain; laminin-5 subunit alpha; laminin-6 subunit alpha; laminin-7 subunit alpha; nicein 150kD subunit; nicein subunit alpha
Gene ID	3909
mRNA Refseq	NM_000227
Protein Refseq	NP_000218
MIM	600805
UniProt ID	Q16787

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SDS-PAGE



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