

## Product datasheet for **TP322886M**

### **FREM1 (NM\_144966) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FRAS1 related extracellular matrix 1 (FREM1), 100 µg
Species:	Human
Expression Host:	HEK293T



[View online »](#)

**Expression cDNA** >RC222886 representing NM\_144966  
**Clone or AA** Red=Cloning site Green=Tags(s)  
**Sequence:**

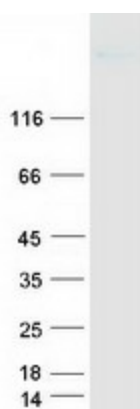
MNSLSWGAANAVLLLLLLAWASPTFISINRGVVRVMKGHSAFLSGDDLKFAIPKEKDACKVEVVMNEPITQ  
RVGKLTQPQFDCHFLPNEVKYVHNGCPILEDDETVKLRLYRFTERTFIETFILWVYLLEPDCNIIHMSNN  
VLEVPEFNGLSQAIDKNLLRFDYDRMASLECTVSLDTARTRLPAHGQMVLGEPRPEEPRGDQPHSFFPES  
QLRAKLCPPGGSCPTGLKKIGSLKVSCEEFLMGLRYQHLDPPSPNIDYISIQDLDTDRSKIVYKSESA  
WLPVYIRAGIPNQIPKAAFMVFILEVDQFILTSLTTSVLDCCEEDETPKPLLVFNITKAPLQGVVTHLLD  
HTRPISSFTWKDLSDMQIAYQPPNSSHSERRHDEVELEVYDFFEFERSAPMTVHISIRTADTNAPRVSWNT  
GLSLEGGQSRITWEQFQVVDNDDIGAVRLVTGGGLQHGWLTLRGGKGFLLTVADLQAGWVRYHHDDSDS  
TKDFVFRIFDGHHSIRHKFPINVLPKDDSPPLITNVVIEEQQTILIQGSMLRASDVASDDYIFFN  
ITKPPQAGEIMKKPGPLIGYPVHGFLQRDLFNGIYYRHFGGEIFEDSFQVFLWDSHEPPNLSVPQVAT  
IHITPVDDQLPKEAPGVSRLVVKETEVAYITKKQLHFIDSESYDRELVTITPPFFSFSRHLHDAGKL  
FMVDSIPKVVKNPTALELRSFTQHAVNYMKVAYMPPMQDIGPHCRDVQFTFSVSNQHGGTLHGICFNITI  
LPVDNQVPEAFTNPLKVTEGGQSIISTEHLISDADTKLDNIDLRELPLHGRVELNGFPLNSGGTFSW  
GDLHTLKVRYQHDGTEVLQDDLLLEVDGTNSAEFVLHVEVFPVNDPEPVLKADLMPVMNCSEGGVITV  
SEYIFATDVSDNLKLMFVIAREPQHGWVRRAGVTVQFSQRDVISEAVTYKHTGGEGILMPCFDTITLV  
VSDGEAGPFVNGCCYNGPNPSVPLHASFVYDLNITVYPVDNQPPSIAIGPVFVWDEGCSTALTVNHLSA  
TDPDTAADDLEFVLVSPQFGYLENILPSVGFESNIGISIDSFQWKDMNAFHINYVQSRHLRIEPTADQ  
FTVYVTDGKHHLSLEIPFSIINPTNDEAPDFVQNITVCEGQMKELDSSIISAVDLIDIPQDALLFSITQK  
PRHGLLIDRFGSKDFSENKQPANPHQKHAPVHFSMELLKTGMRLTYMHDDSESLADDFTIQLSDGKHKI  
LKTISVEVIPVNDKPMLSKKAIEIAMNMGETRISSAILS AIDEDSPREKIYYFERLPQNGQLQKIGR  
DWVPLSPGMKCTQEEVDLNLRYHTGAMDSQNQDSFTFYLDWGNRSPALDCQITIKDMEKGDIVILTK  
PLVSKGDRGFLTTTTLLAVDGTDKPEELLYVITSPPRYQIEYVHYPGVPITNFSQMDVVGQTVCYVHK  
SKVTVSSDRFRFIISNGLRTEHGVFEITLETVDRALPVVTRNKGLRLAQGAVGLLSPDLLQLTDPDTPAE  
NLTFLLVQLPQHGQLYLWGTGLLQHNFTQQDVDSKNVAYRHSGGDSQTDCTFMATDGTNQGFIVNGRW  
EEPVLFTIQVDQLDKTAPRITLLHSPSQVGLLKNGCYGIYTSRVLKASDPDTEDDQIIFKILQGPKHGH  
LENTTTFEHIHEKFSQKDLNSKTILYIINPSLEVNSDTEVFQIMDPTGNSATPQILELKWHSIHSQTEY  
EVCENVGLLPLEIIRRGYSMDSAFVGIKVNQVSAAVGKDFTVIPSKLIQFDPGMSTKMWNIAITYDGLLE  
DDEVFEVILNSPVNAVLGKTKAAVKILDSKGGQCHPSYSSNQSKHSTWEKGIWHLLPPGSSSSTSGSF  
HLERRPLPSSMQLAVIRGDTLRGFDSTDLSQRKLRTRGNGKTVRPSSVYRNGTDIINYHGHIVSLKLEDD  
SFPTHKRKAKVSIISQPQKTIKVAELPQADKVESTTDSHFPRQDQLPSFPKNTLELKLGFHFEEGIQKL  
YQCNGIAWKAWSPTKDVEDKSCPAGWHQHSGYCHILITEQKGTWNAQAACREQYLGNLVTVFSRQHMR  
WLWDIGGRKSFWIGLNDQVHAGHWEWIGGEPVAFTNGRRGPSQRSKLGKSCVLVQRQGWQTKDCRRAKP  
HNYVCSRKL

TRTRPLEQKLISEEDLAANDILDYKDDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 241.9 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_659403</a>
<b>Locus ID:</b>	158326
<b>UniProt ID:</b>	<a href="#">Q5H8C1</a>
<b>RefSeq Size:</b>	7387
<b>Cytogenetics:</b>	9p22.3
<b>RefSeq ORF:</b>	6537
<b>Synonyms:</b>	BNAR; C9orf143; C9orf145; C9orf154; MOTA; TILRR; TRIGNO2
<b>Summary:</b>	This gene encodes a basement membrane protein that may play a role in craniofacial and renal development. Mutations in this gene have been associated with bifid nose with or without anorectal and renal anomalies. Alternatively spliced transcript variants encoding different isoforms have been described. PubMed ID 19940113 describes one such variant that initiates transcription within a distinct, internal exon; the resulting shorter isoform (named Toll-like/interleukin-1 receptor regulator, TILRR) is suggested to be a co-receptor of the interleukin 1 receptor family and may regulate receptor function and Toll-like receptor/interleukin 1 receptor signal transduction, contributing to the control of inflammatory response activation. [provided by RefSeq, Apr 2011]
<b>Protein Families:</b>	Protease, Transmembrane

### Product images:



Coomassie blue staining of purified FREM1 protein (Cat# [TP322886]). The protein was produced from HEK293T cells transfected with FREM1 cDNA clone (Cat# [RC222886]) using MegaTran 2.0 (Cat# [TT210002]).