

## Product datasheet for **TP322100**

### MMP24 (NM\_006690) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human matrix metalloproteinase 24 (membrane-inserted) (MMP24), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222100 representing NM_006690 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPRSRGGRAAPGPPPPPPPGQAPRWSRWRVPGRLLLLLLALCCLPGAARAAAAAAGAGNRAAVAVAVA  
RADEAEAPFAGQNWLSYGYLLPYDSRASALHSAKALQSAVSTMQQFYGIPVTGVLDQTTIEWMKKPRCG  
VPDHPHLSRRRRNKRYALTGQKWRQKHITYSIHNYTPKVGELDRKAIQAFDQVWQKVTPLTFFEEVPYHE  
IKSDRKEADIMIFFASGFHGDSSPFDGEGGFLAHAYFPGPGIGGDTHFDSDEPWTLGNANHDGNDLFLVA  
VHELGHALGLEHSSDPSAIMAPFYQYMETHNFKLPQDDLQGIQKIYGPPAELEPTRPLPLPVRRIHSP  
SERKHERQPRPPRPLGDRPSTPGTKPNICDGNFNTVALFRGEMFVKDRWFWRLRNNRVQEGYPMQIEQ  
FWKGLPARIDAAYERADGRFVFFKGDKYWVFKEVTVEPGYPHSLGELGSCLPREGIDTALRWEVPGKTYF  
FKGERYWRYSEERRATDPGYPKPITVWKGIPQAPQGAFISKEGYTYFYKGRDYWKFDNQKLSVEPGYPR  
NILRDWMGCNQKEVERRKERRLPQDDVDIMVTINDVPGSVNAVAVWIPCILSLCILVLYTIFQFKNKTG  
PQPVTYYKRPVQEWV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	73.2 kDa
Concentration:	>0.05 ug/uL as determined by Bradford protein assay method.
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	100 mM Glycine, pH 3.5, 10% Glycerol
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_006681.1</a>



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<b>Locus ID:</b>	10893
<b>UniProt ID:</b>	<a href="#">Q9Y5R2</a> , <a href="#">Q86VV6</a>
<b>RefSeq Size:</b>	4344
<b>Cytogenetics:</b>	20q11.22
<b>RefSeq ORF:</b>	1935
<b>Synonyms:</b>	MMP-24; MMP25; MT-MMP 5; MT-MMP5; MT5-MMP; MT5MMP; MTMMP5
<b>Summary:</b>	<p>This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded preproprotein is proteolytically processed to generate the mature protease. Unlike most MMPs, which are secreted, this protease is a member of the membrane-type MMP (MT-MMP) subfamily, contains a transmembrane domain and is expressed at the cell surface. Substrates of this protease include the proteins cadherin 2 and matrix metalloproteinase 2 (also known as 72 kDa type IV collagenase). The gene has previously been referred to as MMP25 but has been renamed matrix metalloproteinase 24 (MMP24). [provided by RefSeq, Oct 2019]</p>
<b>Protein Families:</b>	Druggable Genome, Transmembrane