

## Product datasheet for **TP300955**

### **MXRA8 (NM\_032348) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human matrix-remodelling associated 8 (MXRA8), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC200955 protein sequence

**Clone or AA Sequence:** **Red**=Cloning site **Green**=Tags(s)

MALPSRILLWKLVLQSSAVLLHSGSSVPAAGSSVSESAVSWEAGARAVLRCQSPRMVWTQDRLHDRQ  
RVLHWDLRGPGGGPARRLLDLYSAGEQRVYEARDRGRLELSASAFDDGNFSLIRAVEETDAGLYTCNLH  
HHYCHLYESLAVRLEVTDGPPATPAYWDGEKEVLAVARGAPALLTCVNRGHVWTDHRVVEEAQQVHWDRQ  
PPGVPHDRADRLLDLYASGERRAYGPLFLRDRVAVGADAFERGFSLRIEPLVADEGTYSCHLHHHYCG  
LHERRVFHLTVAEPHAEPPIRGSPGNSSHSGAPGPDPTLARGHNVINVIVPESRAHFFQQLGYVLATLL  
LFILLVTVLLAARRRRGGYEYSDQKSGKSKGKDVNLAEFAVAAGDQMLYRSEDIQLDYKNNILKERAEL  
AHSPLPAKYIDLKDGFRKENCK

**LEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 49 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** 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°C.

**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:** [NP\\_115724](#)



[View online »](#)

Locus ID: 54587

UniProt ID: [Q9BRK3](#)

RefSeq Size: 2534

Cytogenetics: 1p36.33

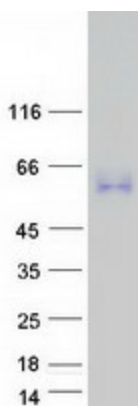
RefSeq ORF: 1326

Synonyms: ASP3

**Summary:** Transmembrane protein which can modulate activity of various signaling pathways, probably via binding to integrin ITGAV:ITGB3 (PubMed:22492581, PubMed:23386276). Mediates heterophilic cell-cell interactions in vitro (By similarity). Inhibits osteoclastogenesis downstream of TNFSF11/RANKL and CSF1, where it may function by attenuating signaling via integrin ITGB3 and MAP kinase p38 (By similarity). Plays a role in cartilage formation where it promotes proliferation and maturation of growth plate chondrocytes (By similarity). Stimulates formation of primary cilia in chondrocytes (By similarity). Enhances expression of genes involved in the hedgehog signaling pathway in chondrocytes, including the hedgehog signaling molecule IHH; may also promote signaling via the PTHLH/PTHrP pathway (By similarity). Plays a role in angiogenesis where it suppresses migration of endothelial cells and also promotes their apoptosis (PubMed:23386276). Inhibits VEGF-induced activation of AKT and p38 MAP kinase in endothelial cells (PubMed:23386276). Also inhibits VTN (vitronectin)-mediated integrin ITGAV:ITGB3 signaling and activation of PTK2/FAK (PubMed:23386276). May play a role in the maturation and maintenance of the blood-brain barrier (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified MXRA8 protein (Cat# TP300955). The protein was produced from HEK293T cells transfected with MXRA8 cDNA clone (Cat# [RC200955]) using MegaTran 2.0 (Cat# [TT210002]).