

Product datasheet for PH300955

MXRA8 (NM_032348) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MXRA8 MS Standard C13 and N15-labeled recombinant protein (NP_115724)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200955
Predicted MW:	49.1 kDa
Protein Sequence:	>RC200955 protein sequence Red=Cloning site Green=Tags(s)

MALPSRILLWKLVLLQSSAVLLHSGSSVPAAGSSVVSESAVSWEAGARAVLRQCSPRMVWTQDRLHDRQ
RVLHWDLRGPGGPARLLDLYSAGEQRVYEARDRGRLELSASAFDDGNFSLIRAVEETDAGLYTCNLH
HHYCHLYESLAVRLEVTGPPATPAYWDGEKEVLAVARGAPALLTCVNRGHVWTDHRVVEEAQQVVHWDRQ
PPGVPHDRADRLDLASGERRAYGPLFLRDRVAVGADAFERGFSLRIEPLVADEGTYSCHLHHHYCG
LHERRVFLHTVAEPHAEPPIRGSPGNGSSHGAPGPDPTLARGHNVINIVPESRAHFFQQLGYVLATLL
LFILLVTVLLAARRRRGGYEYSDQKSGKSGKDVNLAEFAVAAGDQMLYRSEDIQLDYKNNILKERAEL
AHSPLPAKYIDLKGFRENCK

LEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_115724
RefSeq Size:	2534
RefSeq ORF:	1326
Synonyms:	ASP3



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Locus ID: 54587

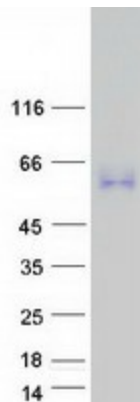
UniProt ID: [Q9BRK3](#)

Cytogenetics: 1p36.33

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]).