

Product datasheet for TP511914

Ace (NM_207624) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse angiotensin I converting enzyme (peptidyl-dipeptidase A) 1 (Ace), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR211914 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MGAASGQRGRWPLSPPLMLLSLLVLLLQSPAPALDPGLQPGNFSPDEAGAQLFAESYNSSAEVVMFQST
VASWAHDTNITEENARRQEEAALVSQEFAEVWGKAKELYESIWNFTDSKLRRRIIGSIRTLGPANLPLA
QRQQYNSLLSNMSRIYSTGKVCFPNKATCWSLDPELTNILASSRSYAKLLFAWEGWHDVAVGIPLKPLYQ
DFTAISNEAYRQDDFSDTGAFWRSWYSPSFEESLEHIYHQLEPLYLNLHAYVRRALHRRYGDKYVNLRG
PIPAHLLGDMWAQSWENIYDMVVPDPKPNLDVTSTMVQKGNATHMFRVSEEFFTSGLSPMPPEFWAE
SMLEKPTDGREVVCHASAWDFYNRKDFRIKQCTRVTMEQLATVHHEMIGHVQYYLQYKDLHVSLLRRGANPG
FHEAIGDVLALSVPAPHLHKIGLLDHVTNDIESDINYLKMALEKIAFLPFGYLVQWRWGVFSGRTPP
SRYNFDWWYLRTKYQGICPPVARNETHFDAGAKFHIPNVTPYIRYFVSVLQFQFHQALCKEAGHQGPLH
QCDIYQSAQAGAKLKQVLQAGCSRWQEVKDLVGS DALDAKALLEYFQPVSWLEEQNRNGEVLGWPE
NQWRPPLPDNYPEGIDLETDEAKADRFVEEYDRTAQVLLNEYAEANWQYNTNITIEGSKILLEKSTEVSN
HTLKYGTRAKTFDVSNFQNSSIKRIKKLQNLDRVLPPEKEEYNQILLDMETYSLSNICYTNGTCMP
LEPDLTNMMATSRKYEELLWAWKSWRDKVGRAILPFFPKYVEFSNKIAKLNQYTDAGDSWRSLYESDNLE
QDLEKLYQELQPLYLNLHAYVRRSLHRHYGSEYINLDGPIPAHLLGNMWAQTWSNIYDLVAPFSPAPNID
ATEAMIKQGWTPRRIFKEADNFFTSGLLPVPEFWNKSMLEKPTDGREVVCHPSAWDFYNGKDFRIKQC
TSVNMEDLVIAHHEMGIHQYFMQYKDLPTVFREGANPGFHEAIGDIMALSVPKHLVSLNLLSTEGSGY
EYDINFLMKMALDKIAFIPFSYLIDQWRWRVFDGSITKENYNQEWWSLRLKYQGLCPPVPRSQGDGDFPGS
KFHVPANVPYVRYFVSFIIQFQFHEALCRAAGHTGPLHKCDIYQSKEAGKLLADAMKLGYSKPWPEAMKL
ITGQPNMSASAMMNYFKPLTEWLVTENRRHGETLGWPEYNWAPNTARAEGSTAESNRVNFGLYLEPQQA
RVGQWVLLFLGVALLVATVGLAHLRYNIRNHSLRRPHRGPQFGSEVELRHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

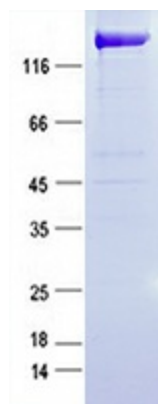
Tag:	C-MYC/DDK
Predicted MW:	150.9 kDa



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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
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 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:	NP_997507
Locus ID:	11421
UniProt ID:	P09470 , Q3TU20
RefSeq Size:	4906
Cytogenetics:	11 68.84 cM
RefSeq ORF:	3939
Synonyms:	AW208573; CD143
Summary:	Converts angiotensin I to angiotensin II by release of the terminal His-Leu, this results in an increase of the vasoconstrictor activity of angiotensin. Also able to inactivate bradykinin, a potent vasodilator. Has also a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety. This GPIase activity seems to be crucial for the egg-binding ability of the sperm.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Ace was analyzed by SDS-PAGE gel and Coomossie Blue Staining.