Recombinant Rat Ace2 Protein (18-740aa), C-His-Tagged

Product Information

Cat	*IMP-9376*
Official Symbol	*Ace2*
Product Overview	*Recombinant rat ACE2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.*
Description	*ACE2, also known as angiotensin-converting enzyme 2, is carboxypeptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. It is able to hydrolyze apelin-13 and dynorphin-13 with high efficiency and may be an important regulator of heart function.*
Expression System	*Baculovirus*
Species	*Rat*
Tag	*C-His*
Form	*Liquid in Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol*
Molecular Mass	*84.7 kDa (731 aa)*
Protein length	*18-740*
AA Sequence	*QSLIEEKAESFLNKFNQEAEDLSYQSSLASWNYNTNITEENAQKMNEAAA KWSAFYEEQSKIAQNFSLQEIQNATIKRQLKALQQSGSSALSPDKNKQLN TILNTMSTIYSTGKVCNSMNPQECFLLEPGLDEIMATSTDYNRRLWAWEG WRAEVGKQLRPLYEEYVVLKNEMARANNYEDYGDYWRGDYEAEGVEG YNYNRNQLIEDVENTFKEIKPLYEQLHAYVRTKLMEVYPSYISPTGCLPAH LLGDMWGRFWTNLYPLTTPFLQKPNIDVTDAMVNQSWDAERIFKEAEKF FVSVGLPQMTPGFWTNSMLTEPGDDRKVVCHPTAWDLGHGDFRIKMCT KVTMDNFLTAHHEMGHIQYDMAYAKQPFLLRNGANEGFHEAVGEIMSLS AATPKHLKSIGLLPSNFQEDNETEINFLLKQALTIVGTLPFTYMLEKWRWM VFQDKIPREQWTKKWWEMKREIVGVVEPLPHDETYCDPASLFHVSNDYS FIRYYTRTIYQFQFQEALCQAAKHDGPLHKCDISNSTEAGQKLLNMLSLG NSGPWTLALENVVGSRNMDVKPLLNYFQPLFVWLKEQNRNSTVGWSTD WSPYADQSIKVRISLKSALGKNAYEWTDNEMYLFRSSVAYAMREYFSRE KNQTVPFGEADVWVSDLKPRVSFNFFVTSPKNVSDIIPRSEVEEAIRMSR GRINDIFGLNDNSLEFLGIYPTLKPPYEPPVT<LEHHHHHH>*
Endotoxin	*< 1 EU/μg of protein (determined by LAL method)*
Purity	*> 95% by SDS-PAGE*
Applications	*SDS-PAGE*
Notes	*Note: For research use only. This product is not intended or approved for*

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human, diagnostics or veterinary use.

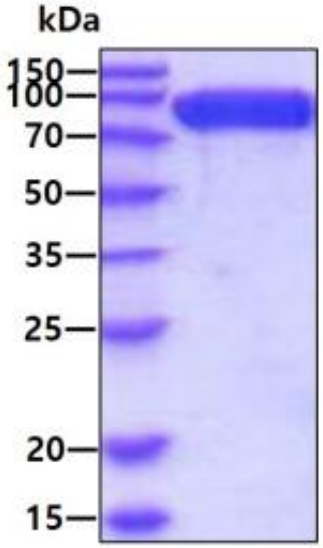
Storage

Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration

0.5 mg/mL (determined by absorbance at 280nm)

SDS-PAGE



3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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