CHAMOT

Recombinant Human RAGE

CM146-5HP
CM146-20HP
CM146-100HP
CM146-500HP
CM146-1000HP

CHAMOT
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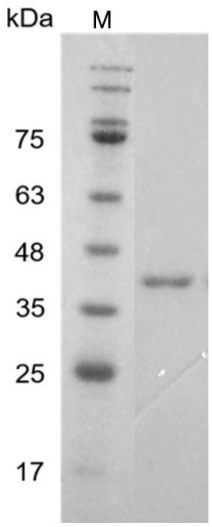
CONTENT

Recombinant Human RAGE (Receptor for advanced glycation endproducts)

编号:	CM146-5HP	规格:	5 μg
	CM146-20HP		20 μg
	CM146-100HP		100 μg
	CM146-500HP		500 μg
	CM146-1000HP		1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

描述: RAGE (receptor for advanced glycation endproducts), also called AGER, is a 35 kilodalton transmembrane receptor of the immunoglobulin super family, as a signal transduction receptor which binds advanced glycation endproducts, certain members of the S1/calgranulin family of proteins, high mobility group box 1 (HMGB1), advanced oxidation protein products, and amyloid (beta-sheet fibrils). Initial studies investigating the role of RAGE in renal dysfunction focused on diabetes, neurodegenerative disorders, and inflammatory responses. However, RAGE also has roles in the pathogenesis of renal disorders that are not associated with diabetes, such as obesity-related glomerulopathy, doxorubicin-induced nephropathy, hypertensive nephropathy, lupus nephritis, renal amyloidosis, and ischemic renal injuries. RAGE represents an important factor in innate immunity against pathogens, but it also interacts with endogenous ligands, resulting in chronic inflammation. RAGE signaling has been implicated in multiple human illnesses, including atherosclerosis, arthritis, Alzheimer's disease, atherosclerosis and aging associated diseases.



SDS- PAGE analysis of recombinant human RAGE

来源: *Escherichia coli*

纯度: >98% as determined by SDS-PAGE.
Ni-NTA chromatography.

内毒素检测： ＜0.1 EU per 1 μg of the protein by the LAL method.

蛋白序列： MAQNITARIGEPLVLKCKGAPKKPPQRLEWKLNT GRTEAWKVLSPQGGGPWDSVARVLPNGSLFLP AVGIQDEGIFRCQAMNRNGKETKSNYRVRVYQI PGKPEIVDSASELTAGVPNKVGTCVSEGSYPAGT LSWHLDGKPLVPNEKGVSVKEQTRRHPETGLFTL QSELMVTPARGGDPRPTFSCSFSPGLPRHRALRT APIQPRVWEPVPLEEVQLVVEPEGGAVAPGGTV TLTCEVPAQPSPQIHWMKDGVPLPLPPSPVLILPE IGPQDQGTYS with polyhistidine tag at the C-terminus

产品组成

成分： 从含有 1X PBS， pH 8.0 溶液中冻干的蛋白质.

产品储存/运输

产品形式	储存温度	储存时间
冻干粉	-20℃至-80℃	自收到之日起1年
重悬液（初始）	2℃至8℃	不超过1周
重悬液（经稀释）	-20℃至-80℃	3到6个月

运输方式： 蓝冰

产品使用

1、开盖前，建议3000-3500rpm离心5min。

2、推荐使用无菌水重悬冻干粉，溶液浓度不低于100μg/mL，不高于1mg/mL，并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。

3、重悬后的溶液，2-8℃无菌保存不超过1周。

4、如需长期保存，推荐使用无菌的含载体蛋白（如0.1%BSA、10%FBS 或5%HSA ）的溶液进一步稀释(不低于10ug/mL) 后分装保存，-20℃至 -80℃无菌保存3到6个月。无血清实验需求时，可更换为 5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry; FACS= Fluorescence activated Cell Sorting; FA= Functional Assay