Recombinant mouse Histone Deacetylase 8/HDAC8 protein

Catalog Number: ATGP3515

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
1-377aa

UniProt No.
Q8VH37

NCBI Accession No.
NP_081658

Alternative Names
Histone deacetylase 8 isoform 1, Hdac8, 2610007D20Rik, HD8, Protein deacetylase HDAC8, Protein decrotonylase HDAC8

PRODUCT SPECIFICATION

Molecular Weight
42.5 kDa (383aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

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

BACKGROUND

Description
Hdac8, also known as histone deacetylase 8 isoform 1, is a member of the class I Histone Deacetylases. Its specific inhibition reduces gene expression and production of proinflammatory cytokines in vitro and in vivo. It expressed in the renal epithelial cells of the mouse kidney. Its activity contributes to renal protection and

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functional recovery and is required for renal regeneration after AKI. Recombinant mouse Hdac8, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

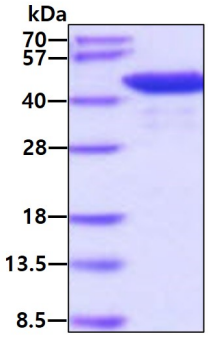
MEMPEEPANS GHSLPPVYIY SPEYVSICDS LVKVPKRASM VHSLIEAYAL HKQMRIVKPK VASMEEMATF HTDAYLQHLQ KVSQEGDEDH PDSIEYGLGY DCPATEGIFD YAAAIGGGTI TAAQCLIDGK CKVAINWSGG WHHAKKDEAS GFCYLNDAVL GILRLRRKFD RILYVDLDLH HGDGVEDAFS FTSKVMTVSL HKFSPGFFPG TGDMSDVGLG KGRYYSVNVP IQDGIQDEKY YHICESVLKE VYQAFNPKAV VLQLGADTIA GDPMCSFNMT PVGIGKCLKY VLQWQLATLI LGGGGYNLAN TARCWTYLTG VILGKTLSSE IPDHEFFTAY GPDYVLEITP SCRPDRNEPH RIQQILNYIK GNLKHVV<HHH HHH>

General References

Li S., et al. (2015) J Biol Chem. 290:2368-2378.
Tang J., et al. (2014) Am J Physiol Renal Physiol. 307:F303-316.

DATA

SDS-PAGE



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