

Hdac8, 1-377aa, Mouse, His-tag, Baculovirus

Cat.NO.: TP02422

3th Edition

Synonyms: Histone deacetylase 8 isoform 1, Hdac8, 2610007D20Rik

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 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.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 42.5kDa (383aa), 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

MEMPEEPANSGHSLPPVYIYSPEYVSICDSLKVPKRASMVHSLIEAYALHKQMRIVKPKVASMEEMATFHTDAYLQ
HLQKVSQEGDEHPDSIEYGLGYDCPATEGIFDYAAAIGGGTITAAQCLIDGKCKVAINWGGWHHAKKDEASGFC
YLNDVAVLGILRLRRKFDRILYVDLDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTGDMSDVGLGKGRYYSVNV
PIQDGIQDEKYYHICESVLKEVYQAFNPKAVVLQLGADTIAGDPMCSFNMTVPVGIGKCLKYVLQWQLATLILGGGGY
NLANTARCWYLTGVILGKTLSEIPDHEFFTAYGPDYVLEITPSCRPDNRNEPHRIQQILNYIKGNLKHVVHHHHHH

Purity: > 95% by HPLC

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

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.