

Product information

Hdac8, 1-377aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3515

Full name: Histone deacetylase 8 isoform 1

NCBI Accession No.: NP_081658

Synonyms: 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.

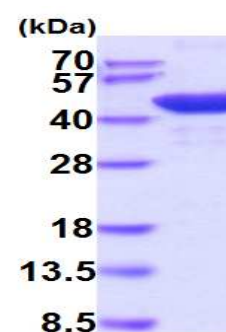
Molecular Weight: 42.5kDa (383aa)
40-57kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Met1

Purity: > 90% by SDS - PAGE.

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

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MEMPEEPANS GHSLPPVYIY SPEYVSI CDS LVKVPKRASM VHSLIEAYAL HKQMRIVKPK VASMEEMATF HTDAYLQHLQ KVSQEGDEDH
PDSIEYGLGY DCPATEGIFD YAAAIGGGTI TAAQLIDGK CKVAINWSGG WHHAKKDEAS GFCYLNDVAVL GILRLRRKFD RILYVDLDLH
HGDGVEDAFS FTSKVMTVSL HKFSPGFPPG TGDMSDVGLG KGRYYSVNVV IQDGIQDEKY YHICESVLKE VYQAFNPKAV VLQLGADTIA
GDPMCSFNMT PVGIGKCLKY VLQWQLATLI LGGGGYNLAN TARCWYLTG VILGKTLSSSE IPDHEFFTAY GPOYVLEITP SCRPNRNEPH
RIQQILNYIK GNLKHVVHHH 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.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.