Recombinant Rat Has2 Protein, His-tagged

Cat. No. Has2-2756R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Has2 Protein (Glu67-Thr172) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Glu67-Thr172
Description	Enables hyaluronan synthase activity. Involved in several processes, including estrous cycle; hyaluronan biosynthetic process; and positive regulation of cell migration. Predicted to be located in cytoplasmic vesicle and plasma membrane raft. Predicted to be integral component of plasma membrane. Biomarker of diabetes insipidus; middle cerebral artery infarction; and pulmonary hypertension. Orthologous to human HAS2 (hyaluronan synthase 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.9 kDa Accurate Molecular Mass: 16 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

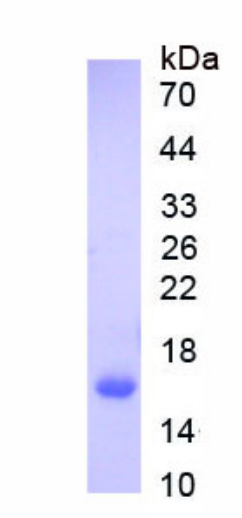
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Has2 hyaluronan synthase 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Has2
Synonyms	Has2; hyaluronan synthase 2; hyaluronan synthase 2; HA synthase 2; hyaluronate synthase 2; hyaluronic acid synthase 2; EC 2.4.1.212
Gene ID	25694
mRNA Refseq	NM_013153
Protein Refseq	NP_037285
UniProt ID	O35776

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