

Recombinant Human PRB1 Protein, His&GST-tagged

Cat. No. PRB1-1978H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRB1 Protein (Gln17-Gln103) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln17-Gln103
Description	This gene encodes a member of the heterogeneous family of basic, proline-rich, human salivary glycoproteins. The encoded preproprotein undergoes proteolytic processing to generate one or more mature peptides before secretion from the parotid glands. Multiple alleles of this gene exhibiting variations in the length of the tandem repeats have been identified. The reference genome encodes the "Medium" allele. This gene is located in a cluster of closely related salivary proline-rich proteins on chromosome 12. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.7 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 ddH2O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PRB1 proline rich protein BstNI subfamily 1 [Homo sapiens (human)]
Official Symbol	PRB1
Synonyms	PRB1; proline rich protein BstNI subfamily 1; PM; PMF; PMS; PRB1L; PRB1M; basic salivary proline-rich protein 1; BstNI type basic salivary proline-rich protein 1; parotid middle band protein; salivary protein Pe
Gene ID	5542
mRNA Refseq	NM_005039
Protein Refseq	NP_005030

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MIM 180989

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