

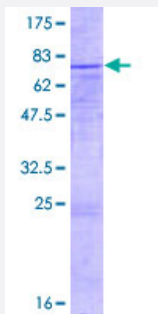
Full-Length

PPGB (Human) Recombinant Protein (P01)

Catalog # H00005476-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PPGB full-length ORF (AAH93009.1, 1 a.a. - 480 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MIRAAPPPLFLLLLLLLLLVSWASRGEAAPDQDEIQRLPGLAKQPSFRQYSGYLKSGSGSKHLHYW
FVESQKDPENSPVVLWLNGGPGCSSLDGLLTHGPFVLVQPDGVTLEYNPYSWNLIANVLYLESP
AGVGFSYDDKFYATNDTEVAQSNFEALQDFFRLFPEYKNNKLFLTGESYAGMPTLAVLVMQDP
SMNLQGLAVGNGLSSYEQNDNSLVYFAYHGLLGNRLWSSLQTHCCSQNKCNFYDNKDLECVTN
LQEVARIVGNSGLNINLYAPCAGGVPSHFYKEDTVVVQDLGNIFTRLPLKRMWHQALLRSGDK
VRMDPPCTNTTAASYLNNPYVRKALNIPEQLPQWDMCNFLVNLQYRRLYRSMNSQYLKLLSSQK
YQILLYNGDVMACNFMGDEWFVDSLQKMEVQRRPWLVKYGDSGEQIAGFVKEFSHIAFLTIG
AGHMPVTDKPLAAFTMFSRFLNKQPY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.9

Interspecies Antigen Sequence

Mouse (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CTSA

Entrez GeneID	5476
GeneBank Accession#	BC093009.1
Protein Accession#	AAH93009.1
Gene Name	CTSA
Gene Alias	GLB2, GSL, NGBE, PPCA, PPGB
Gene Description	cathepsin A
Omim ID	256540
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a glycoprotein which associates with lysosomal enzymes beta-galactosidase and neuraminidase to form a complex of high molecular weight multimers. The formation of this complex provides a protective role for stability and activity. Deficiencies in this gene are linked to multiple forms of galactosialidosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000031778 beta-galactosidase 2 beta-galactosidase protective protein

Pathway

- [Renin-angiotensin system](#)