

Product Datasheet

Recombinant Human FMRP GST (N-Term) Protein H00002332-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00002332-P01

Updated 10/23/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00002332-P01



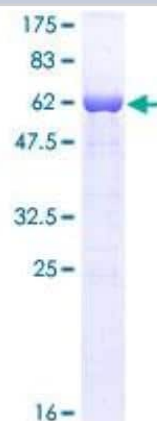
H00002332-P01-10ug**Recombinant Human FMRP GST (N-Term) Protein**

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	58.41 kDa
Product Description	
Description	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-297 of Human FMR1</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: MEELVVEVRGSNGAFYKAFVKDVHEDSITVAFENNWQPDRQIPFHDVRFPPPV GYNKDINESDEVEVYSRANEKEPCCWWLAKVRMIKGEFYVIEYAACDATYNEIV TIERLRSVNPNKPATKDTFHKIKLDVPEDLRQMCAKEAAHKDFKKAVGAFSVTY DPENYQLVILSINEVTSKRAHMLIDMHFRSLRTKLSLIMRNEEASKQLESSRQLA SRFHEQFIVREDLMGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHIYGEDQD AVKKARSFLEFAEDVIQVPRNLVGLKI</p>
Gene ID	2332
Gene Symbol	FMR1
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification



Images

SDS-Page: Recombinant Human FMRP Protein [H00002332-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Yang YM, Arsenault J, Bah A et al. Identification of a molecular locus for normalizing dysregulated GABA release from interneurons in the Fragile X brain. *Mol. Psychiatry*. 2018-09-17 [PMID: 30224722]

Deng PY, Kumar A, Cavalli V, Klyachko VA FMRP regulates GABAA receptor channel activity to control signal integration in hippocampal granule cells *Cell reports* 2022-05-17 [PMID: 35584668]

Zhan X, Asmara H, Cheng N et al. FMRP(1-297)-tat restores ion channel and synaptic function in a model of Fragile X syndrome *Nat Commun* 2020-06-02 [PMID: 32488011]

Deng PY, Carlin D, Oh YM et al. Voltage-Independent SK-Channel Dysfunction Causes Neuronal Hyperexcitability in the Hippocampus of Fmr1 Knock-Out Mice *J. Neurosci*. 2019-01-02 [PMID: 30389838] (WB, Mouse)

Brown MR et al. Fragile X mental retardation protein controls gating of the sodium-activated potassium channel Slack. *Nat Neurosci*;13(7):819-21. 2010-07-01 [PMID: 20512134]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00002332-P01-10ug

H00002332-Q01-10ug	Recombinant Human FMRP GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP2-01770	FMRP Antibody (OTI1C6)
NB100-1277	FOXL2 Antibody

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00002332-P01

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

