

BRDT recombinant protein

Recombinant BRDT (21-137) protein, GST-Tag

CATALOG # AAA60165	HOST E Coli
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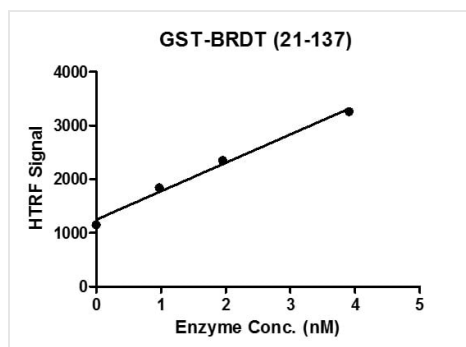
PRODUCT SYNONYMS

BRDT; Recombinant BRDT (21-137) protein; GST-Tag; Bromodomain Testis Associated; CT9; BRD6; BRDT recombinant protein

PRODUCT SPECIFICATIONS

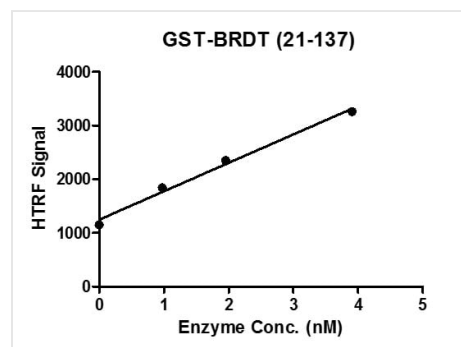
Host	E Coli
Form/Format	Recombinant BRDT (21-137) protein, GST-Tag is supplied in 25mM Tris-HCl pH8.0, 300mM NaCl, 10% glycerol.
Protein Species	Human
Tag	GST-Tag
Notes	This protein is suitable for use in binding assays, inhibitor screening, and selectivity profiling.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



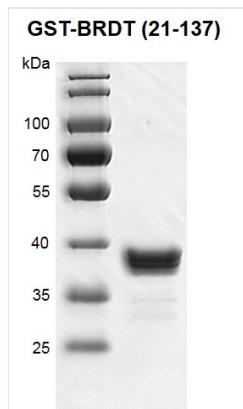
Application Data

HTRF assay for recombinant BRDT (21-137) protein, GST-Tag activity 1 uM H4K5/8/12/16(ac4) peptide was incubated with different concentrations of BRDT (21-137) protein, GST-tag in a 10 ul reaction system containing 50 mM HEPES-NaOH pH 7.4, 0.1% BSA for 1 hour, then 10 ul GST antibody and SA-XL665 mixture (each 1:100 dilution in the reaction buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant BRDT (21-137) protein, GST-Tag protein gel 10% SDS-PAGE Coomassie staining MW: 40.2 kDa Purity: >80%

ADDITIONAL INFORMATION

Related Product Information for BRDT recombinant protein	Short Description: Recombinant BRDT (21-137) protein, GST-Tag includes amino acids 21-137 (Bromodomain) of human BRDT protein (accession number NP_001229735.2); it was expressed in E Coli and contains an N-terminal GST-Tag with a molecular weight of 40.2 kDa. This protein is suitable for use in binding assays, inhibitor screening, and selectivity profiling. Background: BRDT is similar to the RING3 protein family. It possesses two bromodomain motifs and a PEST sequence (a cluster of proline, glutamic acid, serine, and threonine residues), characteristic of proteins that undergo rapid intracellular degradation. The bromodomain functions as a 'reader' of epigenetic histone marks and regulates chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets. It shows binding specificity for acetylated H2BK12/15, H3K9/14/18/23, H4K12, H4K5/8, H4K8/12, H4K12/16, H4K5/12, H4K5/8/12/16 and H4K5/8/12/16.
Product Categories/Family for BRDT recombinant protein	Recombinant Proteins ; Bromodomain ; DNA Damage

NCBI AND UNIPROT INFORMATION

NCBI GI #	729042274
NCBI GeneID	676
NCBI Accession #	NP_001229735.2
NCBI GenBank Nucleotide #	NM_001242806.2
UniProt Accession #	Q58F21; O14789; Q05DQ4; Q6P5T1; Q7Z4A6; Q8IW16; A6NF68; B7Z811; B7Z890; B7ZAX7; D3DT32
Molecular Weight	109,506 Da
NCBI Official Full Name	bromodomain testis-specific protein isoform a
NCBI Official Synonym Full Names	bromodomain testis associated
NCBI Official Symbol	BRDT
NCBI Official Synonym Symbols	CT9; BRD6; SPGF21
NCBI Protein Information	bromodomain testis-specific protein
UniProt Protein Name	Bromodomain testis-specific protein
UniProt Gene Name	BRDT
UniProt Synonym Gene Names	CT9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/brdt-recombinant-protein-e-coli/60165>