

Huntingtin (Htt) Recombinant Protein | Htt recombinant protein

Recombinant Rat Huntingtin (Htt) , partial

CATALOG # AAA113158	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Huntingtin (Htt); Recombinant Rat Huntingtin (Htt); partial; Htt recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	376-560. Partial.
Sequence	LVREEAGGRG RSGSIVELLA GGGSSCSPVL SRKQKGKVL GEEEALEDD SRSVDVSSA FAASVKSEIG GELAASSSGV STPGSVGHDI ITEQPRSQHT LQADSVDL SG CDLTSAATDG DEEDILSHSS SQFSAVPSDP AMDLDGTQA SSPISDSSQT TTEGPDSAVT PSDSSEIVLD GADSQ
Sequence Length	560
Species	Rat
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Htt recombinant protein	Huntingtin is a disease gene linked to Huntington s disease, a neurodegenerative disorder characterized by loss of striatal neurons. This is thought to be caused by an expanded, unstable trinucleotide repeat in the huntingtin gene, which translates as a polyglutamine repeat in the protein product. A fairly broad range in the number of trinucleotide repeats has been identified in normal controls, and repeat numbers in excess of 40 have been described as pathological. The huntingtin locus is large, spanning 180 kb and consisting of 67 exons. The huntingtin gene is widely expressed and is required for normal development. It is expressed as 2 alternatively polyadenylated forms displaying different relative abundance in various fetal and adult tissues. The larger transcript is approximately 13.7 kb and is expressed predominantly in adult and fetal brain whereas the smaller transcript of approximately 10.3 kb is more widely expressed. The genetic defect leading to Huntington s disease may not necessarily eliminate transcription, but may confer a new property on the mRNA or alter the function of the protein. One candidate is the huntingtin-associated protein-1, highly expressed in brain, which has increased affinity for huntingtin protein with expanded polyglutamine repeats. This gene contains an upstream open reading frame in the 5 UTR that inhibits expression of the huntingtin gene product through translational repression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1708162
NCBI GeneID	29424
UniProt Accession #	P51111
Molecular Weight	343,762 Da
NCBI Official Full Name	Huntingtin

NCBI Official Synonym Full Names	huntingtin
NCBI Official Symbol	Htt
NCBI Official Synonym Symbols	Hd; Hdh
NCBI Protein Information	huntingtin
UniProt Protein Name	Huntingtin
UniProt Gene Name	Htt
UniProt Synonym Gene Names	Hd; Hdh; HD protein homolog

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/htt-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113158>