

CDR2 Protein, Human (His)

Cat. No.:	HY-P72127
Synonyms:	AA617262; CDR 2; CDR 62; CDR2; CDR2_HUMAN; CDR62; Cerebellar degeneration related protein 2 62kDa; Cerebellar degeneration related protein 2; Cerebellar degeneration related protein; Cerebellar degeneration-related protein 2; Major Yo paraneoplastic antigen; MGC116181; MGC144810; MGC144811; Paraneoplastic cerebellar degeneration associated antigen; Paraneoplastic cerebellar degeneration-associated antigen; PCD 17; PCD17; RGD1310578; Yo; Yo paraneoplastic antigen
Species:	Human
Source:	E. coli
Accession:	Q01850 (M1-S454)
Gene ID:	1039
Molecular Weight:	Approximately 55.9 kDa

PROPERTIES

AA Sequence

MLAENLV EEF	EMKEDEP WYD	HQDLQQDLQL	AAELGKTL LD
RNTELEDSVQ	QMYTTNQEQL	QEIEYLT KQV	ELLRQMNEQH
AKVYEQLDVT	ARELEETN QK	LVADSKASQQ	KILSLTETIE
CLQTNIDHLQ	SQVEELKSSG	QGRRSPGKCD	QEKPA P S FAC
LKELYDLRQH	FVYDHFVFAEK	ITSLQGQPSP	DEEENEHLKK
TVTMLQAQLS	LERQKRVTME	EEYGLV LKEN	SELEQQ LGAT
GAYRARA LEL	EAEVAEMRQM	LQSEHPFVNG	VEKLV P D SLY
VPFKEPSQSL	LEEMFLTVPE	SHRKPLKRSS	SETIL S SLAG
SDIVK GHEET	CIRRAKAVKQ	RGISLLHEVD	TQYSAL KVKY
EEL L K K C QEE	QDSL SHKAVQ	TSRAAAKDLT	GVNAQSE PVA
SGWELASVNP	EPVSSPTTPP	EYKALFKEIF	SCIKKTKQE I
DEQRTKYRSL	SSHS		

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm solution of Tris-based buffer, 50% Glycerol.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O.

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

CDR2 Protein is a member of the CDR2 family. CDR2 Protein is primarily associated with paraneoplastic neurological disorders, particularly a condition known as paraneoplastic cerebellar degeneration (PCD). In patients with PCD, the immune system mistakenly targets and attacks the cerebellum, leading to the loss of cerebellar function. CDR2 Protein is thought to be an autoantigen in this process, meaning it triggers an autoimmune response.

Caution: Product has not been fully validated for medical applications. For research use only.

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