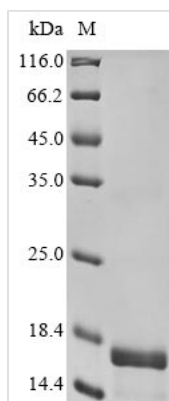




Recombinant Human D (1A) dopamine receptor (DRD1), partial

Product Code	CSB-EP007178HU1
Abbreviation	Recombinant Human DRD1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P21728
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	RKAFSTLLGCRYRLCPATNNAIETVSINNNGAAMFSSHHEPRGSISKECNLVYLIP HAVGSSSEDLKKEEAAGIARPLEKLSPALSVILDYD TDVSLEKIQPITQNGQHPT
Research Area	Neuroscience
Source	E.coli
Target Names	DRD1
Expression Region	338-446aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	17.8 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Human DRD1 protein expression involves transfecting e.coli cells with a DNA expression vector containing the gene encoding the recombinant protein of interest (338-446aa) and then culturing the cells so that they express the desired protein. The protein features a N-terminal 6xHis tag fusion. The recombinant Human DRD1 protein is collected and purified from the cell lysate through affinity purification. Its purity is greater than 90%, as measured by SDS-PAGE.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.