Recombinant LY6D protein (His tag)

Catalog Number	547296
Synonyms	Ly-6D; E48 antigen
Species	Human
Expression System	E. coli
Accession	Q14210
Molecular Weight	Predictes a molecular mass of 10.09 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	21-98
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 21-98 aa (Q14210) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	This recombinant protein product features a stable and soluble fragment (amino acids 21-98) of human Lymphocyte antigen 6D (Ly-6D), also known as E48 antigen. It is designed to support structural and biochemical studies of this key specification marker in early B-cell development. Lymphocyte antigen 6D (Ly-6D) functions as a specification marker at the earliest stage of lymphocyte differentiation, particularly marking the initial specification of B-cell development. The full-length protein is localized to the cell membrane, where it is anchored via a GPI-lipid modification. This membrane association and its role in early immune cell lineage commitment make Ly-6D a protein of significant interest in immunology and hematopoiesis research.