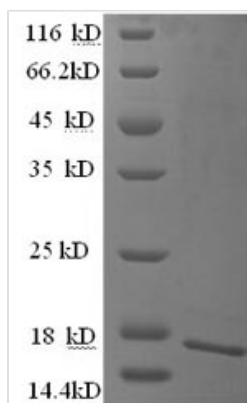




Recombinant Human Cell adhesion molecule CEACAM4 (CEACAM4), partial

Product Code	CSB-EP005164HU
Relevance	Granulocyte orphan receptor that acts as an trigger efficient phagocytosis of attached particles.
Abbreviation	Recombinant Human CEACAM4 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.	O75871
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	FTIEALPSSAAEGKDVLLACNISETIQAYYWHKGKTAEGSPLIAGYITDIQANIP GAAYSGRETVYPNGSLLFQNITLEDAGSYTLRTINASYDSDQATGQLHVVHQQN VPGLPVGAVAG
Research Area	Immunology
Source	E.coli
Target Names	CEACAM4
Expression Region	36-155aa
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	16.7kDa
Protein Length	Partial

Image



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



Description

Amino acids 36-155 form the expressed segment for recombinant Human CEACAM4. This CEACAM4 protein is expected to have a theoretical molecular weight of 16.7 kDa. The CEACAM4 protein was expressed in e.coli. The N-terminal 6xHis tag was fused into the coding gene segment of CEACAM4, making it easier to detect and purify the CEACAM4 recombinant protein in the later stages of expression and purification.

Carcinoembryonic antigen-related cell adhesion molecule 4 (CEACAM4) is mainly studied in the field of male reproductive health. CEACAM4 is a cell adhesion molecule found on the surface of sperm cells, and studies emphasize its significance in mediating interactions between sperm and other cells within the male reproductive system. Researchers are delving into the molecular mechanisms by which CEACAM4 contributes to sperm-egg binding and fertilization, aiming to unravel insights that could have implications for fertility treatments and male reproductive health. While the primary focus is on male reproductive biology, CEACAM4 might also have relevance in broader areas such as cell adhesion research and molecular biology.

Shelf Life

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