

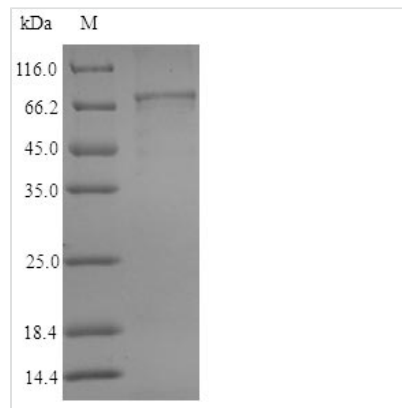


Recombinant Human Retinaldehyde dehydrogenase 3 (ALDH1A3)

Product Code	CSB-EP001567HU
Relevance	Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal. Seems to be the key enzyme in the formation of an RA gradient along the dorso-ventral axis during the early eye development and also in the development of the olfactory system (By similarity).
Abbreviation	Recombinant Human ALDH1A3 protein
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.	P47895
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	ATANGAVENGQPDRKPPALPRPIRNLEVKFTKIFINNEWHESKSGKKFATCNP STREQICEVEEGDKPDVDKAVEAAQVAFQRGSPWRRLDALSRGRLLHQLADL VERDRATLAALETMDTGKPFLLHFAFFIDLEGCIRTLRYFAGWADKIQQKTIPTDD NVVCFTRHEPIGVCGAITPWNFPLLMLVWKLAPALCCGNTMVLKPAEQTPLTA LYLGSLIKEAGFPPGVVNIIVPGFGPTVGAAISSHPQINKIAFTGSTEVGKLVKEA ASRSNLKRVTLELGGKNPCIVCADADLDLAVECAHQGVFFNQGCCTAASRV FVEEQVYSEFVRRSVEYAKKRPVGDVFKTEQGPQIDQKQFDKILELIESGK KEGAKLECGGSAMEDKGLFIKPTVFSEVTDNMRIAKEEIFGVPQILKFKSIEEV IKRANSTDYGLTAAVFTKNLKDALKLASALESGTVWINCYNALYAQAPFGGFK MSGNGRELGEYALAEYTEVKTVTIKLGDKNP
Research Area	Others
Source	E.coli
Target Names	ALDH1A3
Protein Names	Recommended name: Aldehyde dehydrogenase family 1 member A3 EC= 1.2.1.5 Alternative name(s): Aldehyde dehydrogenase 6 Retinaldehyde dehydrogenase 3 Short name= RALDH-3 Short name= RaIDH3
Expression Region	2-512aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	72.0kDa
Protein Length	Full Length of Mature Protein



Image



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

Shelf Life

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